Dr. UDAYA KUMAR ADDANKI.

C/O: Flat No: FF1, Aadim Residency, Sairam Colony, Kommadi Village Rd, Madhurawada, Visakhapatnam-48, AP, India. | **Mobile**:+91 9966003543 | **E-Mail:** udayaka.18@gmail.com |

Career Objective

To secure a challenging position that leverages acquired technical skills, fostering continuous personal and professional growth while contributing to the success and advancement of the institution.

Educational Details

- ✓ Completed **Ph.D. (CSE) (2024)** in Acharya Nagarjuna University, Guntur, Andhra Pradesh - 522510.
- ✓ Completed **M.Tech (CSE) (2011)** Degree in Vignan's Institute of Information Technology, Duvvada, Visakhapatnam, Andhra Pradesh - 530049.
- ✓ Completed **B.Tech (IT) (2009)** Degree in Koneru Lakshmaiah College of Engineering (KLCE), Vaddeswaram, Guntur, Andhra Pradesh - 522502.
- ✓ Completed **Intermediate (2005)** in Bharati Jr. College, Chirala, Andhra Pradesh - 523155.
- ✓ Completed **Secondary School Certificate (2003)** from Z.P High School, T Naidu Palem, Tangutur Mandal, AP - 523327.

Professional Experience & Achievements

- ✓ I have 12+ years of experience in Teaching.
- ✓ I have been working as an Assistant Professor at Gayatri Vidya Parishad College of Engg for Women (**GVPCEW**), Madhurawada, since 11th July 2011.
- ✓ successfully achieved the "**Microsoft Certified: Azure Data Scientist Associate**" certification on April 30, 2023.
- ✓ Successfully achieved the "**Microsoft Certified: Azure Administrator Associate**" certification on April 29, 2023.
- ✓ Certified and Recognized as a Project Based Learning **(PBL)** mentor in "**Java Full Stack**" by **Wipro (WCF), 2023.**
- ✓ Qualified as Assistant Professor in **UGC-NET in July 2019**.
- ✓ **Ratified** by **JNT University**, Kakinada, as Assistant Professor in the Department of I.T. in GVP College of Engineering for Women, Visakhapatnam, on 19th September 2016. (Lr.No. JNTUK-Registrar's Peshi-Ratified Principals & Faculty-2016.
- ✓ Qualified in **GATE -2016 & 2018**.

Subjects Taught

- ✓ **A**dvanced-**D**ata **S**tructures, **API** & **M**icro **S**ervices, **C** **P**rogramming, **C**ompiler **D**esign, **C**omputer **N**etworks, **C**ryptography **N**etwork **S**ecurity, **D**ata **S**tructures, **D**esign and **A**nalysis of **A**lgorithms, **FLAT**, **H**uman-**C**omputer **I**nteraction, **MEAN** Stack Technologies, OOP through **C++**, OOPS through **JAVA**, **O**perating **S**ystem, **S**oftware **P**roject **M**anagement, **S**oftware **T**esting **M**ethodologies, **UNIX** **P**rogramming, **UNIX** & **S**hell **P**rogramming, and **W**eb **T**echnologies.

Professional Body Memberships

- ✓ Attained a Senior membership in **IEEE**.
- ✓ Attained a membership in **ACM**.
- ✓ Attained a membership in **IFERP.**
- ✓ Attained a membership in the International Association of Computer Science and Information Technology (**IACSIT**).
- ✓ Attained a membership in the International Association of Engineers (**IAENG**).
- ✓ Obtained an Editorial Board Member in the International Journal of Engineering Research in Computer Science and Engineering (**IJERCSE**).

Academic & Professional Activities

- ✓ Acted as Proctor for the **IEEEXtreme 16.0** programming competition on 22nd October 2022.
- ✓ Successfully Completed a LinkedIn course on "**Wireshark: Network Troubleshooting**" on Aug 10, 2022.
- ✓ Acted as Mentor for **Smart India Hackathon 2020** competition on 1st – 3rd August 2020.
- ✓ Successfully Completed a Coursera course on "**Improving Deep Neural Networks: Hyper Parameter Tuning, Regularization and Optimization**" in June 2020.
- ✓ Successfully Completed a Coursera course on "**Convolutional Neural Networks**" in May 2020.
- ✓ Successfully Completed a Coursera course on "**Neural Networks and Deep Learning**" in April 2020.
- ✓ Successfully Completed an NPTEL course on "**Design and Analysis of Algorithms**" in Jan-Mar 2019.
- ✓ Panel Member of "**Question Paper setters and Practical Examiners**" for the semester-end Academic Year 2017-18 semester-end Examinations at P.B.

Siddhartha College of Arts & Science, Vijayawada-520010.

- ✓ Acted as a reviewer in the "**International Journal of Network Security (IJNS)**" for volume 18, 2016.
- ✓ Attained a Reviewer in the Indonesian Journal of Electrical Engineering and Computer Science (**IJEECS**) (ISSN: 2502-4752).
- ✓ Attained a Reviewer in Advances in Science, Technology and Engineering Systems Journal (**ASTESJ**) (ISSN: 2415-6698).

Workshop-FDP Organized

- ✓ Worked as a member of the organising committee for a 3-day workshop on "**Cryptology and Cyber Security (WCCS 2018)**" at GVP College of Engineering for Women, *ffrom 22nd -24th March, 2018.*
- ✓ Worked as a member of the organising committee for a 3-day National workshop on "**Biological Inspired Computing & Applications (BICA)**" at GVP College of Engineering for Women, *from 9th -11th March, 2018.*

Guest lectures

- ✓ Delivered a Guest lecture on "**Fundamentals of LINUX Programming**" at Avanthi Institute of Engineering and Technology, near Tagarapuvalasa, Vizianagaram District during 3rd & 4th January, 2017.

Publications and Conferences

1. Participated and presented a Paper titled "**IMPROVING DDoS THREAT DETECTION PERFORMANCE WITH BIO-INSPIRED FEATURE SELECTION METHODS**" at the International Conference on Applied Mathematics and Advanced Data Analytics for Industry 5.0 (**ICAMADA-2024**) organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, in association with Indian Society of Remote Sensing (**ISRS**), Andhra Pradesh & Telangana Society for Mathematical Sciences (**APTSMS**), and Cyber Security Center of Excellence (**CCoE**) from April 25 to 27, 2024.

2. **Udaya Kumar Addanki** and B. Hemantha Kumar, (2023), "**A Comparative Analysis of OLSR Routing Protocol Based on PSO and Cuckoo Search Optimization (CSO) in Manets**," International Journal on Recent and Innovation Trends in Computing and Communication (**IJRITCC**), 11 (8s):483-90. **(Scopus).**

3. **Udaya Kumar Addanki** and B. Hemantha Kumar, (2023), "**Hybrid Optimization of OLSR Routing Protocol in MANETs: Uniting Genetic Algorithm and Particle Swarm Optimization**," International Journal of Intelligent Systems and Applications in

Engineering (**IJISAE**), 11(3), 131–141, **(Scopus).**

4. **Addanki Udaya Kumar** and B. Hemantha Kumar. "**Enhancement OLSR Routing Protocol Using Particle Swarm Optimization (PSO) and Genetic Algorithm (G.A.) in MANETS,**" International Journal of Computer Science and Network Security, vol. 22, no. 4, Apr. 2022, pp. 131–138, doi:10.22937/IJCSNS.2022.22.4.17. **(Web of Science).**

5. S.Sumahasan, **Udaya Kumar Addanki**, Anjani Kintali, Srilekha Bontu, "**Content-based SMS Spam Messages classification using Natural Language Processing and Machine Learning**" Volume 8, Issue VII, International Journal of Engineering Research in Computer Science and Engineering (**IJERCSE**) Page No: 41-46, ISSN (Online) 2394-2320, July 2021.

6. S.Sumahasan, **Udaya Kumar Addanki**, Navya Irlapati, Amulya Jonnala, "**Object Detection using Deep Learning Algorithm CNN**" Volume 8, Issue VII, International Journal for Research in Applied Science and Engineering Technology (**IJRASET**) Page No: 1578-1584, ISSN: 2321-9653, July 2020.

7. **Udaya Kumar Addanki**, Swathi Sambangi, "**Productive Analysis of Routing Protocols in MANETS: Proactive vs Reactive Categories**" International Journal Of Advances in Cloud Computing and Computer Science (**IJACCCS**) ISSN(PRINT): 2454-406X,(ONLINE): 2454-4078, VOLUME-1, ISSUE-2, 2015, Page No: 13-19.

8. K. Purushotam Naidu, V. Lakshmana Rao, **A. Uday Kumar**, "**Character-Based Symmetric Key Algorithm using Randomized Prime Numbers**" in International Journal of Engineering Research & Technology (**IJERT**) Vol. 3 Issue 2, February – 2014, ISSN: 2278-0181, Page No: 1215-127.

9. Swathi Sambangi, **Udaya Kumar Addanki**, "**Enhancing Security for E-Health Records of Patients through Technique**" in International Journal of Engineering Research and Sports Science (**IJERSS**), ISSN: 2348-2400, Volume 1, Issue 1, January 2014, Page No: 28-31.

10. **A Udaya Kumar**, V Lakshmana Rao, K Purushotam Naidu, S Sagar, "**Productivity Analysis of AODV and DSDV Routing Protocols in MANETs**" in International Journal of Science and Research (**IJSR**), Online ISSN: 2319-7064, Volume 2, Issue 2, February 2013, Page No: 218-223.

11. Swathi Sambangi, P.Vijaya Bharati, **Uday Kumar Addanki**, Muvva Praveen Kumar, "**Multicast Authentication using Batch Signature-MABS**" in International Journal of Computational Engineering & Management (**IJCEM**), Vol. 15 Issue 1, January 2012 ISSN (Online): 2230-7893, Page No: 68-73.

12. **Udaya Kumar Addanki**, B. Prasad "**Simulation and study of Reacting Routing Protocols in MANETs**" in the International Journal of Science and Advanced Technology (ISSN 2221-8386), Volume 1, Issue 5, July 2011, Page No: 230-235..

Workshops, Webinars, STTPs, FDPs, and Seminars attended

✓ Participated in the **Advanced Technology Program [ATP] training program and got trained in Artificial Intelligence & Machine Learning** from **22nd April to 26th April 2024.**

✓ Participated in the **Advanced Technology Program [ATP]** training program and got trained on **Cloud Computing** from **21st August to 25th August 2023.**

✓ Participated in 4 weeks of The Wipro Certified Faculty Training Workshop program and got trained on "**Wipro's Project Based Learning framework in Java Full Stack**" from 16th January to 10th February 2023.

✓ Participated in a Train-The-Trainer session on "**Android Development with Kotlin**" conducted by APSSDC associated with Google Developer from 16th August 2021 to 21st August 2021.

✓ Participated in a Five-Day Live Online Short-Term Training Program on "**Recent Trends and Challenges in Computer Science & Engineering**" organized by TIRUMALA ENGINEERING COLLEGE, Narasaraopet, Guntur from 5th July 2021 to 9th May 2021.

✓ Participated in an AICTE Training And Learning (ATAL) Academy Online FDP on "**Sensors Technology**" conducted by North-Eastern Hill University from 8th February 2021 to 12th February 2021.

✓ Participated in an AICTE Training And Learning (ATAL) Academy Online FDP on "**Cyber Security**" conducted by St. Joseph's College of Engineering from 18th January 2021 to 22nd January 2021.

✓ Participated in an AICTE Training And Learning (ATAL) Academy Online FDP on "**Wearable Devices**" conducted by Saintgits College of Engineering from 11th January 2021 to 15th January 2021.

✓ Participated in an AICTE-sponsored STTP on "**AI-Powered Solutions for Healthcare Innovations**" organized by KCG College of Technology, Chennai, Tamil Nadu, from 26th December 2020 to 31st December 2020.

✓ Participated in a One Week Online Short Term Training Programme on **MLDLT** organized by VNR VJIET, Hyderabad from 14th December 2020 to 19th December 2020.

- ✓ Participated in a One Week Online Certificate Course on "**Digital Teaching Techniques**" organized by ICT Academy from 7th December 2020 to 12th December 2020.
- ✓ Participated in a 1 Week Hands-On Faculty Development Program on **"Artificial Intelligence Using Python"** organized by GMR Institute of Technology, Rajam in association with Brainovision Solutions from 14th September 2020 to 19th September 2020.
- ✓ Participated in a One Week International Faculty Development Programme on "**Emerging Trends & Technologies in Data Science**" organized by GMR Institute of Technology, Rajam from 24th August 2020 to 29th August 2020.
- ✓ Participated in a 5 day webinar Series on "**Research & Innovation**" organized by the Department of Information Science and Engineering, VVCE, Mysuru, from 17th August 2020 to 21st August 2020.
- ✓ Participated in a one-week national Workshop on "**Research Methodology and Tools of Data Analysis**" organized by Jagadguru Rambhadracharya Divyang University, UP, from 16th August 2020 to 23rd August 2020.
- ✓ Participated in a one-week national Level Workshop on "**Azure serverless Computing**" organized by Mahatma Gandhi Institute of Technology in association with Wilma Technologies from 10th August 2020 to 14th August 2020.
- ✓ Participated in a Webinar on "**Fundamentals of Acoustics & Meta Materials**" organized by RISE Krishna Sai Prakasham Group of Institutions from 7th August 2020 to 8th August 2020.
- ✓ Participated in a one-week national Workshop on "**Best Practices of ICT Tools in Teaching and Learning**" organized by Jagadguru Rambhadracharya Divyang University, UP, from 3rd August 2020 to 8th August 2020.
- ✓ Participated in a Five Days **International e-Faculty Development Program Series** organized by P.G. & Research Department of Commerce, Arignar Anna Government Arts College from 28th July 2020 to 1st August 2020.
- ✓ Participated in a one-week online Faculty Development Programme on "**Simulation and Modeling of Data Communications & Networks**" organized by MGIT, Hyderabad, in association with TASK from 27th July 2020 to 31st July 2020.
- ✓ Participated in a Two Day Workshop on "**Hadoop and Big data Analytics**" organized by the Department of Computer Science Engineering, Malla Reddy Institute of Technology and Science from 24th July 2020 to 25th July 2020.

- ✓ Participated in a Three-day Online Workshop on "**Essentials of Python Programming**" organized by the Department of Information Technology, VNRV JIET, Hyderabad from 23rd July 2020 to 25th July 2020.
- ✓ Participated in a National Level Faculty Development Program on "**Effective use of ICT & E-Content Development**" organized by the Department of Science & Humanities, ATMIYA University, Rajkot, Gujarat from 23rd July 2020 to 25th July 2020.
- ✓ Participated in a National Level Online Faculty Development Program on "**Cyber Security**" organized by Gudlavalleru Engineering College, Gudlavalleru, in association with CyberPsy from 22nd July 2020 to 26th July 2020.
- ✓ Participated in a Faculty Development Program on "**LaTex and its Applications for Researchers**" organized by Vidyavardhaka College of Engineering, Mysuru, from 20th July 2020 to 24th July 2020.
- ✓ Participated in a Five Day Online Faculty Development Programme on "**Emerging Trends in the Application of Machine Learning**" organized by GMR Institute of Technology, Rajam, AP, India from 20th July 2020 to 24th July 2020.
- ✓ Participated in a 4-Day online faculty development on "**Python Programming**" organized by K.L. Deemed to be University Hyderabad Off Campus in association with IIT Bombay Spoken Tutorials from 15th July 2020 to 18th July 2020.
- ✓ Participated in a One Week Online Workshop On "**Blended E-Learning**" organized by JNTUK University College of Engineering Vizianagaram from 6th July 2020 to 10th July 2020.
- ✓ Participated in a Five Day National Workshop On "**Applications of Image Processing and Machine Learning**" organized by GVPCEW from 22nd June 2020 to 26th June 2020.
- ✓ Participated in a One Week Faculty Development Program On "**Block Chain & Cybersecurity: A Unique Fusion to Untangle present-day Cybersecurity Challenges**" organized by Andhra University College of Engineering (A) under ISEA Project, MEITY from 22nd June 2020 to 26th June 2020.
- ✓ Participated in a Global Webinar On "**Cyber Security**" organized by JNTUK University College of Engineering Vizianagaram from 20th June 2020 to 26th June.
- ✓ Participated in a One Week Faculty Development Program On "**Cyber Security**" organized by JNTUK University College of Engineering Vizianagaram from 11th June 2020 to 16th June 2020.

- ✓ Participated in a One Week National Level Faculty Development Program On "**Online Teaching-Learning Processes using ICT Tools for Education 4.0**" organized by SVPCET Nagpur from 8th June 2020 to 13th June 2020.

- ✓ Participated in a 3-Day Online FDP on "**Data Science Behind Natural Language Processing**" organized by LAKKI REDDY BALI REDDY COLLEGE OF ENGINEERING(A) from 8th June 2020 to 10th June 2020.

- ✓ Participated in a One Week FDP On "**PHP &Mysql**" organized by Sridevi Women's Engineering College from 8th June 2020 to 12th June 2020.

- ✓ Participated in a two-day webinar on "**NEW PROTOCOL IMPLEMENTATION IN NETWORK SIMULATOR-2,**" which was organized by VAAGDAVI College of Engineering from 5 June 2020 to 6 June 2020.

- ✓ Participated in a One Week Online FDP On "**Recent Trends In Computing**" organized by NALLA MALLA REDDY ENGINEERING COLLEGE from 5th June 2020 to 10th June 2020.

- ✓ Participated in a 3-Day National workshop on "**Cryptology and Cyber Security (WCCS 2018)**" Sponsored by the Cryptology Research Society of INDIA, Kolkata, organized by the dept. of CSE & ECE, at *Gayatri Vidya Parishad College of Engineering for Women during 22nd -24th March, 2018.*

- ✓ Participated in a 3-Day National workshop on "**Biological Inspired Computing & Applications (BICA)" Sponsored by the Science and Engineering Research Board, Dept of Science and Technology, India,** organized by the Dept. of CSE, at *Gayatri Vidya Parishad College of Engineering for Women during 9th -11th March, 2018.*

- ✓ Participated in One-week Faculty Development Program on "**Analytics using R**" conducted by the Dept. of CSE & I.T. at Gayatri Vidya Parishad College of Engineering for Women from 13th -17th November *2017.*

- ✓ Participated in a Six Day Workshop on **"INTERNET OF THINGS (IoT)"** organized under the Continuing Education program by the Dept. of ECE, NIT-Warangal, from 4th -9th June 2016.

- ✓ Participated in the 3-Day Faculty Development Program with Hands-on experience on **"BIG DATA & HADOOP"** held from 26th -28th February 2016 at *Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam.*