Ramachandra Yerramsetti

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Education

- **University of Connecticut** — Storrs, CT
  Master of Engineering in Computer Science; GPA: 3.4 — *Aug. 2023 – Dec. 2024*
- **Koneru Lakshmaiah (Deemed to be) University** — Vijayawada India
  Bachelor of Engineering in Electrical and Electronics; GPA: 3.5 (8.78/10.0) — *Aug. 2015– Jun. 2019*

Experience

- **Tata Consultancy Services** — Hyderabad, India
  Software Engineer II — *Jun. 2022 - July. 2023*
  - **Monitoring System**: Architected an advanced health check monitoring system for over 30 SAP production environments, reducing health monitoring time by 75%.
  - **Performance Tuning**: Fine-tuned system efficiency by addressing performance bottlenecks, achieving a marked decrease in execution time for over 100 background processes.
  - **Cybersecurity**: Implemented an algorithm for detecting components at risk of cyber attacks, enhancing system security by identifying vulnerabilities.
- **Cognizant Technology Solutions** — Chennai, India
  Software Engineer I — *Jul. 2019 - May. 2022*
  - **Changes Movement**: Developed a streamlined process for the efficient transfer of change objects across development, testing, QA, and production environments, enhancing project agility and deployment speed by 40%.
  - **System installation**: Launched a Linux-based print server for Merck Animal Health's Amsterdam site, seamlessly integrating over 100 printers with SAP in collaboration with Hewlett Packard.
  - **Bussiness objects**: Designed and implemented a customized SAP Business Objects system to meet specific client requirements, enhancing data reporting and analysis capabilities.
- **Axelta Systems** — Hyderabad, India
  Software Engineer Intern — *Summer 2017 and 2018*
  - **Internet of Things**: Developed a Python script on a Raspberry PI platform to ensure 100% data retrieval from various sensors.
  - **Cloud Dashboard**: Created a cloud dashboard for real-time data integration, processing, and analysis resulting 50% reduction in storage costs.

Projects

- **Cyberinfrastructure Competition-1st Prize**: Achieved first place in the Cyberinfrastructure Competition with a cross-disciplinary team for predicting Citibike usage in Manhattan using a GRU model and GIS analysis.
- **NFL Outcome Prediction**: Crafted a Python ML model for NFL predictions, enhancing accuracy by 40% with enriched player data from two decades.
- **KLAD(E-commerce clothing website)**: Built a MERN stack-based e-commerce website for the apparel startup KLAD, enhancing the online shopping experience.
- **Student Mental Health Analysis**: Led a project to predict UConn students' mental health outcomes based on social media usage and facilitating support services.

Technical Skills

- **Languages**: Python, Javascript, NoSQL, Java
- **Web Developemnt**: React, Node,HTML/CSS
- **Version Control**: Git, GitHub
- **Python Libraries**: Pandas, Scikit-Learn, NumPy, Tensorflow
- **Database & Cloud**: MySQL, Oracle, MongoDB

Leadership

- **Smart India Hackathon 2017**: Managed a team of 25, mentoring in designing and drafting requirements for the national-level hackathon(Student's Voice) at KL University.