

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– July. 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:** Orchestrated the setup of a print server on Linux for Merck Animal Health's new Amsterdam facility, successfully integrating over 100 printers with the SAP platform through a partnership with Hewlett Packard, ensuring seamless operations.
 - **Bussiness objects:** Designed and implemented a customized SAP Business Objects system to meet specific client requirements, enhancing data reporting and analysis capabilities.
- **Software Engineer Intern** 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 dashboard on the cloud 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.