

Ramachandra Yerramsetti

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EDUCATION

- **University of Connecticut** Storrs, CT
Master of Engineering in Computer Science Aug. 2023 – Dec. 2024
Coursework: Algorithms & Complexity, Data Mining, Big Data Analytics GPA: 3.5
- **Koneru Lakshmaiah (Deemed to be) University** Vijayawada India
Bachelor of Engineering in Electrical and Electronics Aug. 2015– Jun. 2019
Coursework: Object-Oriented Programming(Java), C & Data Structures GPA:3.4(8.8/10)

EXPERIENCE

- **Tata Consultancy Services** Hyderabad, India
Software Engineer Jun. 2022 - July. 2023
 - **Reusable Components:** Increased website speed and performance by 40% by developing reusable components with React for 10+ company websites.
 - **API:** Developed app integrations using REST and SOAP APIs for features like Google Maps, social media logins, payment processors, and other services.
 - **Web Development:** Achieved 100% client satisfaction by designing website structures and page layouts that precisely met user requirements.
 - **Single page app:** Transformed a multi-page user experience into a single-page application (SPA), boosting customer engagement by 10% through seamless navigation and reduced loading times.
- **Cognizant Technology Solutions** Chennai, India
Software Engineer Jul. 2019 - May. 2022
 - **Monitoring System:** Achieved 75% reduction in monitoring time by architecting an advanced Python-based health check monitoring system for over 30 SAP production environments.
 - **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.
 - **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.
- **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 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.
- **US pollution prediction using AQI:** Developed a predictive model utilizing deep learning to forecast US pollution levels for individual counties based on the Air Quality Index, achieving a commendable 70% accuracy rate.

TECHNICAL SKILLS

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