RAMACHANDRA YERRAMSETTI

959-232-0757| ramachandra.yerramsetti@uconn.edu | Linkedin | github | rcyerramsetti.com

Education

University of Connecticut Storrs, CT
Master of Engineering, Computer Science *2023 Aug – 2025 May*

Coursework*: Algorithms and Complexity, Machine Learning, Computer Networking*

K L University Vijayawada, India
Bachelors degree in Electrical and Electronics Engineering (GPA : 3.96/4) *2015 Aug – 2019 May*

Coursework*: Object-oriented programming(python), Algorithms & Data structures, Computer Architecture*

Technical Skills

Languages: Python, C, SQL (Postgres), JavaScript, HTML5/CSS
Databases & Cloud: MySQL,Oracle, SAP HANA, IBM DB2, AWS
Developer Tools: Git, Docker, AWS CLI, VS Code,IntelliJ, Eclipse
Libraries: Pandas, NumPy, Matplotlib,Scikit-Learn

Experience (4+ Years)

Systems Engineer Hyderabad, India
TATA Consultancy Services *2022 June– 2023 July*

- Designed and implemented reusable components Using ReactJS to meet project-specific requirements, time to deliver the report to stakeholders is decreased
- Implemented efficient Lazy Loading and asynchronous component loading techniques for dynamic importing of components/modules, optimizing application performance and reducing initial loading times.
- Employed Node.js and Express.js for server-side scripting, enabling efficient and scalable back-end functionality and data processing in web applications.

Associate Software Engineer Chennai, India
Cognizant Technology Solutions *2021 May – 2022 June*

- Conducted end-to-end (E2E) and component testing using Cypress, ensuring the robustness and reliability of web applications.
- Developed interactive and dynamic web applications using ReactJS, aligning technical solutions with business requirements and design specifications.

Programmer Analyst Chennai, India
Cognizant Technology Solutions *2019 July – 2021 May*

- Transformed 10+ design wireframes into dynamic web applications, employing HTML5 and CSS, to deliver responsive, user-friendly interfaces.

Internship

IOT Intern-Smart Agriculture System Hyderabad, India
Axelta Systems *2017 May– 2018 July*

- Developed a Python script on a Raspberry Pi platform to ensure 100% data retrieval from various sensors.
- Leveraged MathWorks ThingSpeak for real-time data integration, processing, and analysis, resulting in a 50% reduction in Storage costs.

Projects

Predicting NFL outcomes based on Madden ratings | *Python, scikit-Learn* *2023 Aug - 2023 Sept*

- Used logistic regression for NFL game outcome prediction by applying linear regression to anticipated DVOA values, creating a winner prediction model..
- Made NFL winner predictions based on derived DVOA values using linear regression .

Programmable Controller For BLDC Motors | *Python, Solopy* *2023 Aug - 2023 Sept*

- Developed sensorless BLDC motor control code in Python for Raspberry Pi, improving motor speed by 20% for UAV applications, enabling the lifting of 10-liter payloads.