

# RAMACHANDRA YERRAMSETTI

959-232-0757 | [rcyerramsetti@protonmail.com](mailto:rcyerramsetti@protonmail.com) | [Linkedin/ramachandra-yerramsetti](https://www.linkedin.com/in/ramachandra-yerramsetti) | [github/ramchandra3101](https://github.com/ramchandra3101)  
| [rcyerramsetti.com](https://rcyerramsetti.com)

## SKILLS

**Languages:** C#, Java, Python, JavaScript  
**Frontend design:** ReactJS, Typescript, HTML5/CSS3  
**Containerization:** Docker, Kubernetes  
**Databases & Cloud:** MySQL, Oracle, AWS, GCP  
**Version control:** Git, GitHub  
**Developer Tools:** AWS CLI, VS Code, Eclipse  
**Soft-skills:** Quick Learning Ability, Effective written and verbal communication skills, Strong Presentation skills

## EDUCATION

**University of Connecticut** Storrs, CT  
*Master of Engineering, Computer Science* 2023 Aug – 2025 May  
Coursework: *Algorithms and Complexity, Machine Learning*

**K L University** Vijayawada, India  
*Bachelor of Engineering, Electrical and Electronics (GPA : 3.5/4)* 2015 Aug – 2019 May  
Coursework: *C & Data structures, Software Engineering*

## EXPERIENCE (4+ YEARS)

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

- Coordinated with the development team and developed a Python script for concurrent health checks and load balancing on 30+ SAP production systems, reducing daily monitoring time from 2 hours to 30 minutes.
- Achieved substantial performance optimization by addressing bottlenecks at both the instance and database level, leading to a significant reduction in the run time of over 100 background jobs.
- Integrated a QR code mobile ticket scanning system into the SAP infrastructure of SNCB International (Belgian Train).

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

- Created a Python based script enabling the seamless transport of change objects from the development environment to testing, quality, and production environments..
- Trained and mentored about 10 Engineering interns on SQL programming and SAP systems Performance tuning.

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

- Established a print server for a new Merck Animal Health plant in Amsterdam, seamlessly integrating over 100 printers into the SAP platform in collaboration with Hewlett Packard and senior SAP consultants.
- Trained in SQL and Oracle database platforms and received 2 months of Full Stack development training, culminating in the creation of a portfolio page at [ramchandra3101.github.io](https://ramchandra3101.github.io)

## INTERNSHIP

**IOT Intern-Smart Agriculture System** Hyderabad, India  
*Axelta Systems* 2017 May – 2017 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, sci-kit-Learn, TensorFlow*

- Created a Python-driven ML model for NFL game outcome predictions using last 20 years datasets.
- Improved model accuracy by 40% through the integration of curated datasets, with particular emphasis on player injury information.

**Programmable Controller For BLDC Motors** | *Python, Solopy*

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