RAMACHANDRA YERRAMSETTI

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SKILLS

Languages: C, Java, Python, JavaScript
Frontend design: ReactJS, Typescript, HTML5/CSS3
Containerization: Docker
Databases & Cloud: MySQL, Oracle, AWS
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 : 3.96/4)   *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 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

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.