

CHANDRA SHEKAR REDDY VANGALA

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Education

University of Central Florida

Master of Science in Computer Science GPA:3.92/4.0

Jan 2024 – Dec 2025

Orlando, Florida

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, MySQL, Node.js, MongoDB.

Software Development: Object Oriented Programming, Data Structures, Algorithms.

Developer Tools: Git, Bash, VS Code, PyCharm, Jupiter Notebook, Visual Studio, Docker, Jenkins, Kubernetes.

Technologies/Frameworks: Flask, Django, React, Angular, Express JS, AWS.

Experience

Nagarro

Aug 2022 – Oct 2023

Associate Software Engineer

Telangana, India

- Developed and maintained responsive web pages using HTML, CSS, JavaScript, and ReactJS, resulting in a 15% increase in user engagement and 20% faster load times.
- Implemented a new Real-Time Telematics Monitoring feature as part of the migration. This feature integrates telemetry devices on railcars to collect and display real-time data on location, speed, and condition, leading to a 25% improvement in operational efficiency and a 20% increase in user satisfaction.
- Utilized RESTful APIs to enable seamless communication between telemetry devices and the backend, ensuring efficient, low-latency data transmission.
- Collaborated with designers, back-end developers, and stakeholders using agile methodologies to ensure seamless integration of user interface components and back-end services.
- Resolved 30+ bugs in collaboration with the bug-fixing team, improving overall site stability and reducing user-reported issues by 25%.

RQB Technologies

Jan 2022 – Aug 2022

Software Engineer Intern

Remote

- Worked on a data migration project, improving performance and reducing costs.
- Created automation scripts in Python, increasing migration accuracy and efficiency by 40%.
- Ensured seamless data migration and integrity by connecting to diverse databases and optimizing code conversion with regular expressions, reducing manual intervention by 50%.
- Generated data validation reports and executed SQL queries, improving data accuracy and enhancing database operations.
- Applied regular expressions to identify and convert patterns in strings, optimizing code conversion automation and reducing manual intervention by 50%.

Projects

Expense Tracker Application | *React, Node.js, Express.js, MongoDB, Bootstrap, Chart.js.* | [GitHub](#)

July 2024

- Developed a user-friendly application for managing personal finances, including tracking income, expenses, and budgets.
- Incorporated dynamic budgeting features to help users set, adjust, and track financial goals.
- Integrated data visualization with Chart.js to provide users with clear insights into their spending patterns and financial trends.

Virtual Try-On Room | *Python, Flask, OpenCV, MySQL* | [GitHub](#)

July 2022

- Developed a Virtual Try-On Room using Python, enabling users to virtually try on clothing items in an immersive digital environment.
- Implemented advanced image processing techniques, resulting in a 25% improvement in the accuracy of virtual clothing fitting.
- Integrated interactive features, allowing users to customize clothing options and accessories, contributing to a 20% increase in user engagement.
- Utilized Python libraries for computer vision to enhance the realism of clothing visualization, achieving a 30% improvement in virtual try-on realism.

Certificates And Achievements

- Certified by GeeksforGeeks on completing Data Structures & Algorithms in Python.
- Certified by University of Michigan in Coursera on completing Python for Everybody (Specialization).
- Achieved the first prize in the college coding competition during the tech fest among 500 participants.
- Masterfully solved 800+ problems on LeetCode, GFG, and Hacker Rank, showcasing adept problem-solving.
- Earned the Python Gold Level Badge on Hacker Rank.