

Sucharitha Nadendla

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EDUCATION

North Carolina State University, Raleigh, NC || Master of Computer Science **May 2025**
Courses: Software Engineering, Design and Analysis of Algorithms, Cloud Computing **GPA: 3.7/4.0**
Object Oriented Design and Development, Database Management Systems, Neural Networks and Deep Learning, Automated Learning and Data Analysis

Institute of Aeronautical Engineering College, Hyderabad, India || Bachelor of Technology in Electronics **Jul 2022**
Courses: Computer Architecture, Data Structures, Java Programming, Database System. **CGPA: 9.08/10.0**

SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript, Ruby
Databases and Operating Systems: MySQL, SQLite, Linux, Windows, Ubuntu
Concepts: Object Oriented Programming, DBMS, SDLC, Agile
Tools/Frameworks: Flask, Oracle Apex, Node.js, GIT, Pandas, NumPy, Matplotlib, Ruby on Rails, Eclipse, Visual Studio Code, Microsoft Office Suite, AutoCAD, Salesforce

WORK EXPERIENCE

Senior Analyst, Capgemini Technology Services Ltd, Hyderabad, India. **Jul 2022 – Jun 2023**

- Analyzed and maintained financial records, transaction data, and reports with timely reconciliations, ensuring accuracy and compliance with regulatory requirements using Oracle Apex, resulting in a 98% accuracy rate.
- Developed database structures, stored procedures, and SQL queries to support financial data management and reporting requirements.
- Conducted code reviews, testing, and quality assurance processes to validate software quality, reliability, and compliance with coding standards and best practices.

Senior Analyst Intern, Capgemini Technology Services Ltd, Hyderabad, India **Mar 2022 – May 2022**

- Programmed applications with Oracle Apps, leveraging Oracle's development tools and frameworks to create functional and efficient software solutions.
- Generated 50+ reports for the Hospital Management System utilizing Oracle EBS (E-Business Suite), extracting and analyzing data to build informative and actionable reports for stakeholders and decision-makers.
- Enhanced the Hiring Portal by integrating 10+ new features and functionalities to streamline recruitment process and optimize candidate management, reducing the time-to-hire by 30%.

Quality Engineer Intern, Valuelabs, Hyderabad, India **Dec 2021 – Mar 2022**

- Conducted comprehensive testing of new features and functionalities implemented in the Content Management System (CMS) of medical information portal.
- Pioneered and executed test plans and test cases to ensure quality and reliability of the CMS, focusing on user interface, functionality, performance, and security aspects, bringing about 25% increase in overall system stability.

PROJECTS

Leveraging Deep Learning for Brain Tumor Detection and Classification (Deep Learning)

- Implemented CNN and ANN models through TensorFlow and Keras libraries.
- Utilized techniques like batch normalization, dropout, and regularization to boost model performance, resulting in a 20% reduction in overfitting and enrich generalization.
- Generated confusion matrices, ROC curves, and other evaluation metrics to comprehensively assess the model performance.
- Achieved a high accuracy of 99% with a low loss of 0.0775 on test dataset, indicating high accuracy on unseen data.

Railway – Ticket Management System (Object Oriented Development)

- Designed and engineered a railway management system using Ruby on Rails and MySQL to streamline railway operations, encompassing passenger reservations, creating reviews, and scheduling trains.
- Secured seamless coordination between trains, passengers, and train tickets, while providing robust reporting capabilities for improved operational insights and decision-making.

Income Expense Tracker Bot (Software Engineering)

- Devised a Telegram bot in Python to track incomes and expenses of users by asking a series of questions, including features for PDF generation and future budgeting.
- Facilitates seamless expense recording, budgeting, and visualization through graphical representations, fostering efficient financial management for users globally and managed to achieve 78% code coverage.