GAJJALA SAMBA SIVA

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Education

Madanapalle Institute of technology and Science, Madanapalle   **2021 - 2025**
Bachelor of Technology, Data Science   *CGPA - 9.0*

Sri Gayatri Junior College, Badvel   **2019 - 2021**
Intermediate, BSEAP   *95%*

Experience

Cognizant Technology Solutions   **January 2025 – Present**
GenC Intern   *Pune, Maharastra*
- Interning in the Insurance domain at Cognizant, focusing on managing end-to-end insurance transactions using the Guidewire platform.
- Hands-on experience with Guidewire modules including PolicyCenter and BillingCenter, supporting core insurance operations such as policy issuance, billing, and transaction processing.
- Trained in Guidewire InsuranceSuite fundamentals and proficient in Gosu programming language for configuring and customizing business logic within the Guidewire ecosystem.

NIT Puducherry   **June 2024 – July 2024**
ML Intern   *Puducherry, Tamilnadu*
- Developed a machine learning-based phishing website detection system utilizing a Random Forest Classifier to identify malicious sites by analyzing structural and behavioral website features.
- Achieved high accuracy in classifying over 11,000 websites by training on a dataset with 32 diverse features including URL structure, domain age, and website behavior indicators.
- Technologies used: Python, Scikit-learn, Pandas, NumPy, Jupyter Notebook, Random Forest Algorithm, Data Preprocessing Techniques.

Upskill Campus   **June 2023 – July 2023**
Data Science & Machine Learning Intern
- Developed a Smart City Traffic Pattern Forecasting system using machine learning to predict traffic signal allocation times at intersections, reducing congestion and improving traffic flow across four interconnected junctions.
- Utilized Logistic Regression machine learning algorithm, leveraging its ability to handle multiple attributes, including vehicle dimensions, timestamp, and junction data, to develop a robust predictive model.

Projects

Real-Time Crowd Detection for Overcrowding Management Using OpenCV and pyttsx3   **March 2024**
- Designed and implemented a real-time crowd detection system using OpenCV to monitor and estimate crowd density from live video feeds with high accuracy.
- Integrated pyttsx3 for auditory alert functionality, enabling real-time voice notifications to authorities in cases of overcrowding to enhance public safety response.
- Developed a scalable and robust algorithm capable of functioning under varying lighting and environmental conditions, ensuring consistent performance across different crowd scenarios.

Train Management System   **March 2024**
- Developed a comprehensive Train Management System using Java, SQL, Servlets, JSP, HTML, and Tailwind CSS, enabling efficient management of train schedules, seat bookings, and payments.
- Successfully implemented a user-friendly interface for passengers to search and book trains, while providing administrators with a robust dashboard to manage train schedules, bookings, and payments.
- Utilized a combination of Java, SQL, Servlets, JSP, HTML, and CSS to design and develop the Train Management System.

Technical Skills

Languages: Python, Java, Gosu, SQL, HTML, CSS
Developer Tools: VS Code, IDLE, Jupyter
Technologies/Frameworks: GitHub, Google Colab, Anaconda

Leadership / Extracurricular

- Active member in NSS.
- Committee member for Quizzing in ASHV 2K23
- Vice Chair person in Data Science Organizing Committee.
- Worked as an Event Organizer in MITS SAC (Student Activity Center(2023 -2024)).