Mahankali Sreeraj

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Computer Science undergraduate with strong Python skills and growing expertise in HTML, CSS, and JavaScript. Seeking a software development role to apply coding skills, build real-world applications, and contribute to fast-paced tech teams.

EDUCATION

SRU — *B Tech in CSE*   JUNE 2022 -JUNE 2026

Has a CGPA of 9.01 in current semester

SR PRIME, — *MPC*   SEPTEMBER 2020 - MAY 2022

Has scored 90% in 2 years

SKILLS

Programming Languages: Python, C, HTML, CSS, JavaScript
Machine Learning : Data Preprocessing, Supervised Learning, Model Evaluation, Hyperparameter Tuning
Cloud Platforms: AWS (Basic: EC2, S3)
Tools & Technologies: Jupyter Notebook, Linux, VS Code, star UML
Languages : English (Fluent) ,Telugu (Native)

PROJECTS

Autism Spectrum Disorder Prediction using Optimized Neural Networks

- Developed a predictive model for Autism Spectrum Disorder (ASD) using neural networks and advanced optimization algorithms.
- Implemented and compared five optimizers — Genetic Algorithm, Particle Swarm Optimization, Grey Wolf Optimizer, Adam, and Nadam — to maximize accuracy and convergence.
- Boosted model accuracy by 12% through strategic hyperparameter tuning and optimizer selection.
- Achieved an F1-score of 0.88 and accuracy of 91%, showcasing deep learning and model evaluation expertise in Python using NumPy, pandas, and Jupyter Notebook.

Student Dropout Prediction System

- Built a machine learning model to predict student dropout likelihood based on academic performance and demographic data.
- Cleaned and transformed dataset with missing value handling, label encoding, and feature scaling to enhance model quality.
- Evaluated multiple classification algorithms (Logistic Regression, SVM, Random Forest), achieving 89% accuracy and 0.86 F1-score with Random Forest.

Portfolio (*HTML, CSS, JavaScript, GitHub Pages*)

- Built a personal portfolio website with 100% mobile responsiveness and support for 3 major screen sizes (desktop, tablet, mobile).
- Implemented 5+ UI effects including smooth transitions and typing animations to improve visual engagement.
- Integrated 3 key platforms (GitHub, LinkedIn, Leetcode) and deployed the site using GitHub Pages, achieving <2s page load time.

ACHIEVEMENTS

- 13th place out of 100+ teams at a Night Hackathon by leading a team, driving collaboration, and solving a real-time tech challenge under pressure.
- Solved 250+ LeetCode problems, improving efficiency and reducing average solution time by 30%.
- Led a team at SRU Idea Conclave and secured 19th place among 200+ participants by presenting a tech solution and managing team coordination and execution.