

Shruthi Dudigam

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PROFESSIONAL SUMMARY

Computer Science student with strong programming and problem-solving skills. Proficient in Python, SQL, C, R, HTML, and CSS, with a keen interest in machine learning and real-world applications. Experienced in leading teams and collaborating on projects to drive innovative solutions. Strong understanding of database management, algorithms, and software development methodologies. Passionate about learning new technologies and applying them to solve practical problems.

EDUCATION

B.Tech(CSE), <i>Gokaraju Rangaraju Institute of Engineering & Technology</i>	2022 – 2026
Cumulative GPA: 8.7	Hyderabad, India
Intermediate, <i>Narayana Junior College, Hyderabad</i>	2020 – 2022
Percentage: 96.6%	Hyderabad, Telangana

SKILLS

Programming Languages Python, SQL, C, R	Web Technologies HTML, CSS, JavaScript, Flask, Django
Technical Skills DBMS, problem solving, Data Structures and Algorithms	Tools Github, Git

PROJECTS

Resume Builder - Developed a tool for job seekers to generate professional resumes with an interactive UI. - Led a team to design and implement using HTML, CSS, and Python. - Integrated PDF generation feature for resume download. - Implemented user authentication and database storage for managing resumes.
ML-Based DDoS Attack Detection - Built a model to predict DDoS attacks using network traffic analysis. - Led a collaborative effort using ML algorithms for cybersecurity. - Utilized feature selection and preprocessing techniques to enhance model accuracy. - Deployed the model using Flask and integrated a real-time monitoring dashboard.
Bankruptcy Prediction - Developed a hybrid Genetic Algorithm (GA) and Neural Network (NN) model for corporate bankruptcy prediction. - Leveraged GA for feature selection and hyperparameter tuning to effectively model nonlinear financial patterns and address class imbalance. - Achieved improved predictive performance across Accuracy, Precision, Recall, and F1-score, supporting early financial risk identification for SMEs.

CERTIFICATES

Certifications Problem Solving

HackerRank

Data Science for Engineers

IIT Madras

Programming for Everybody

Coursera

Explore Machine Learning Using Python

Infosys Springboard