Sricharan Basa

Address: Metpally, India   **Phone number:** +91-9063322435   **Email address:** sricharan7832@gmail.com
Web: linkedin.com/in/basa-sricharan | https://sricharan-basa.github.io/my-portfolio-project/

Highly motivated Computer Science Engineering graduate (2025) with strong foundations in Machine Learning, Artificial Intelligence, Data Structures, and Software Development. Proven ability to design, train, and optimize ML models with measurable performance improvements. Skilled in Java, Python, SQL, and end-to-end project execution, seeking an entry-level role in Software Engineering, Data Analysis, or Machine Learning.

Education

2021 — 2025 Chennai, India	**Computer Science and Engineering | Bachelor of Technology (B.Tech)** **Bharath Institute of Higher Education and Research** CGPA: 9.4
2019 — 2021 Karimnagar, India	**Maths, Physics, Chemistry | Higher Secondary Education** **Trinity Junior College** Percentage: 98%
2019 Metpally, India	**Secondary Education (SSC)** **Brooklyn Grammar High School** CGPA: 9.7

Projects

Toxic Comment Detection System (Machine Learning Project)
- Developed a machine learning model to automatically identify and filter toxic comments across online platforms.
- Processed and trained on labeled datasets sourced from forums and social media platforms.
- Achieved 90% classification accuracy in detecting toxic content.
- Enabled real-time detection, successfully identifying and reporting 95% of offensive comments, improving content moderation efficiency.
- Applied data preprocessing, feature extraction, and model evaluation techniques.

Real-Time Accident Detection and Response System (AI Project)
- Designed an AI-driven accident detection system using live video feed analysis.
- Curated and labeled a custom traffic camera dataset, improving model reliability.
- Built and fine-tuned a machine learning model achieving 83% accuracy in accident detection.
- Optimized video processing algorithms, increasing processing speed by 40%.
- Contributed to a 20% faster emergency response time, enhancing public safety outcomes.

Certifications

Java Programming Certification
NPTEL

HTML & CSS Certification
TWG Technologies

SQL and Relational Databases
IBM

Data Analysis & Visualization Job Simulation
Accenture (Forage)

Core Competencies / Skills

— **PROGRAMMING LANGUAGES**

Java	Python
SQL	

— **MACHINE LEARNING & AI**

Supervised Learning	Model Training
Feature Engineering	Model Evaluation

— **DATA HANDLING**

Data Cleaning	Dataset Curation
Relational Databases (MySQL)	

— **COMPUTER SCIENCE FUNDAMENTALS**

Data Structures & Algorithms	OOP
DBMS	Operating Systems

— **TOOLS & PLATFORMS**

VS Code	Git
GitHub	

— **SOFTWARE PRACTICES**

SDLC	Version Control
Debugging	

— **CLOUD & SYSTEMS**

Cloud Computing Basics

— **SOFT SKILLS**

Communication	Presentation
Adaptability	Self-learning

Achievements

- Served as Class Representative for 6 semesters, leading and mentoring 72 students.
- Acted as a liaison between students and faculty, improving academic coordination and communication.
- Participated in the UMAGINE TN Global Conference, Chennai Trade Centre.
- Secured 2nd place in Mathematics Formula Test (Mathematics Day).
- Awarded Merit Scholarship for scoring 98% in Higher Secondary Education.

Languages

English — Fluent   Telugu — Native   Tamil — Basic