T SARAT KUMAR

Fresher • B.Tech CSE — Artificial Intelligence & Machine Learning

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SUMMARY

Passionate AIML enthusiast with a solid foundation in machine learning algorithms, data preprocessing, and model evaluation. Seeking an opportunity to apply analytical and programming skills to solve real-world problems through AI-driven solutions.

EDUCATION

B.Tech in Computer Science and Engineering (AIML) - Sreenidhi Institute of Science and Technology — Aug 2021 – May 2025 • City, State

CGPA: 9.26/10 • Coursework: DSA, ML, DL, DBMS, OS, Computer Networks

SKILLS

Programming
Python, Java, SQL, Bash

ML & Data
scikit-learn, PyTorch, TensorFlow, Pandas, NumPy

Frameworks & APIs
FastAPI, Flask, REST, JSON

DevOps & Tools
Git, Docker, Linux, VS Code, Jupyter, Postman

CS Fundamentals
DSA, OOP, DBMS, OS, Networks

PROJECTS

Real-Time Object Detection • YOLOv8, PyTorch, FastAPI — GitHub

- Built REST API for streaming inference; processed 25+ FPS on sample webcam feeds.
- Improved mAP@50 by 7% via augmentation and learning-rate scheduling.

News Title Classifier • scikit-learn, TF-IDF — GitHub

- Trained linear SVM for topic classification; macro-F1 0.86 on holdout.
- Implemented stratified CV and error analysis to reduce false positives.

Student Placement Insights • Pandas, Matplotlib, SQL   Dashboard

- Analyzed trends and built simple predictors for CTC buckets.
- Automated data cleaning with reusable Pandas pipelines.

INTERNSHIPS / EXPERIENCE ✕

Machine Learning Intern • Company Name   Jun 2024 – Aug 2024 • Remote

- Implemented preprocessing and model training scripts; reproducible with seed control.
- Containerized service with Docker; documented API usage in README.

ACHIEVEMENTS ✕

- Top 10% in campus hackathon for vision project.
- Solved 150+ DSA problems on LeetCode.

CERTIFICATIONS ✕

- Machine Learning Specialization — Coursera — 2024
- Deep Learning Fundamentals — 2024