

Surya Chowdary

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[LinkedIn](#) | [GitHub](#) | [CodeChef](#) | [Leetcode](#)

SUMMARY

Aspiring AI & Data Science student with solid hands-on experience in Python, machine learning, and data processing, backed by strong fundamentals in statistics, model building, and applied ML. Built end-to-end ML projects spanning NLP, sentiment analysis, risk prediction, and neural networks, and actively advancing in Deep Learning driven by a passion for solving complex, real-world problems through data-driven approaches.

EDUCATION

Ace Engineering College

B.Tech - Artificial Intelligence & Data Science

CGPA: 8.4/10

Aug 2023 - Present

PROJECTS

Hate Speech Detection Using Deep Learning [GithubRepo](#)

- Developed a hate speech detection system using TF-IDF feature extraction and Multi-Layer Perceptron (MLP) for multi-class text classification.
- Built a Streamlit-based web application supporting confidence-based predictions, probability visualization, and batch CSV analysis.
- Achieved 87.77% classification accuracy on unseen test data.

StudySphere AI [GithubRepo](#)

- Developed a RAG-based study assistant that processes uploaded documents using text chunking and keyword-based context retrieval to answer study-related questions.
- Integrated Groq LLM with a Streamlit-based web application to generate context-grounded answers and display the retrieved source context.
- Deployed the application using Streamlit Cloud, enabling users to upload study materials and interactively query their documents.

Automated Resume Screening Using NLP & ML [GithubRepo](#)

- Built an AI-powered resume screening system using TF-IDF, Cosine Similarity, and Logistic Regression to automate candidate ranking and resume analysis.
- Developed an interactive Streamlit application for resume upload, candidate matching, and automated screening.
- Achieved 89% classification accuracy on resume classification tasks.

EXPERIENCE

Machine Learning Intern at Coding Samurai

May 2026 - June 2026

- Built Machine Learning applications using Python and Scikit-learn.
- Performed data preprocessing, feature engineering, model training and evaluation.

Unstop Student Ambassador

July 2025 - Present

TECHNICAL SKILLS

Programming: Python, SQL, C++

Tools: Git Hub, Vs Code, Jupyter Notebook, Streamlit, FastAPI, Docker

Machine Learning: Numpy, Pandas, Matplotlib, Scikit-learn, Tensor Flow, Keras, Pytorch, Feature Engineering, NLP, Cross-Validation, Model evaluation metrics

Deep Learning: MLP, Neural Networks, LLM, RAG, Optimization, NLP Embeddings, Transformers, Back Propagation, Gradient Descent

CERTIFICATIONS

Oracle AI Foundations Associate

oracle

Deep Learning and AI

CodeChef

Machine Learning

CodeChef

Python

By CodeChef

ACHIEVEMENTS

SIH Selection at college level

100 days coding streak and solved 1000 problems in CodeChef

Solved 100 problems on Leetcode