Samiksha Sai Thogeti

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sami-codeai

PROFILE SUMMARY

Computer Science student with a focus on building multi-agent AI systems and full-stack applications. Interested in the practical application of MLOps and design to create reliable software solutions. Committed to learning from collaborative engineering environments while contributing to impactful technical projects.

EDUCATION

Institute of Aeronautical Engineering, Hyderabad, India *Expected Graduation: Aug 2027*
B.Tech in Computer Science and Engineering (Artificial Intelligence and Machine Learning) GPA: 8.06/10
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks, Object-Oriented Programming (OOP), System Design, Algorithm Design & Complexity Analysis

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, JavaScript, TypeScript, PHP
Cloud / DevOps: Docker, Kubernetes (GKE), Jenkins, GCP, AWS, REST APIs, CI/CD, DVC, Maven
Frameworks & Libraries: Spring, Hibernate, JDBC, React.js, Next.js, Node.js, Tailwind CSS
ML / AI Frameworks: TensorFlow, PyTorch, Scikit-learn, Hugging Face, OpenCV, Matplotlib, Seaborn
Agentic AI: LangChain, LangGraph, CrewAI, OpenAI SDK, AutoGen, MCP, Antigravity
Tools: Git, GitHub, MySQL, MongoDB, Pandas, NumPy, Streamlit

INTERNSHIPS & ACTIVITIES

E-Cell, IARE *Present*
Web Development Team Member

- Collaborated with the technical team to build the official E-Cell website using Next.js and Tailwind CSS.
- Developed reusable UI components including the Hero section and interactive Startup cards for the production site.

Central Institute of Tool Design (MSME TC, Hyderabad) *Jun 2025*
Deep Learning Intern — Stock Price Prediction using Stacked LSTM

- Developed and implemented a 3-layer stacked LSTM model using TensorFlow and Keras to forecast stock prices, achieving an RMSE of 25.99.
- Conducted exploratory data analysis and visualized price, volume, and volatility trends using 10/30/50-day moving averages.

Swecha Telangana *Aug 2024*
Machine Learning Intern — Telugu Optical Character Recognition (OCR)

- Architected a two-stage Telugu OCR system using CNNs to classify base characters and compound glyphs with 94.2% accuracy.
- Engineered an end-to-end inference pipeline using OpenCV for preprocessing and UTF encoding for structured output.

PROJECTS

Agentic Engineering Team — GitHub *Nov 2025*

- Built a multi-agent system using CrewAI to automate task execution by coordinating four agents through YAML-based workflows.
- Executed backend services and test suites within Docker containers with outputs validated via a Gradio interface.

AniMatch — Recommendation System — GitHub   *Oct 2025*

- Implemented a collaborative filtering model in TensorFlow using embedding layers, achieving a 0.78 performance score.
- Managed experiment tracking with Comet ML and automated data versioning using DVC, Docker, Jenkins, and Google Cloud.

Hotel Reservation Cancellation Prediction — GitHub   *Aug 2025*

- Constructed a LightGBM classification model to predict booking cancellations, achieving 88.41% accuracy.
- Optimized performance through hyperparameter tuning and tracked experiments using MLflow.

ResumeAgent — Interactive Resume Assistant — Hugging Face   *Mar 2025*

- Created a conversational resume assistant enabling interactive exploration of resume content via a chat interface.
- Integrated real-time notifications using the Pushover API and deployed on Hugging Face Spaces.

IntelliStudy — AI Study Assistant — GitHub   *Dec 2024*

- Developed a retrieval-based system leveraging FAISS to fetch academic content for AI-generated study summaries.
- Generated concise explanations and quiz questions from retrieved material to enhance active learning.

CERTIFICATES

AWS Educate — Generative AI
Oracle — Oracle Cloud Infrastructure Generative AI Professional
NPTEL — Data Structures and Algorithms; Machine Learning
Hugging Face — Agentic AI, Transformers

CODING PROFILES

LeetCode: Solved 200+ problems (Focus: DSA & SQL)
HackerRank: 5-Star Badges in Python and SQL
GitHub: github.com/SAMI-CODEAI
GeeksforGeeks: GeeksforGeeks Profile