

Surya Kiran Ayila

+91 9160687829 | suryakiranaeila@gmail.com | LinkedIn | GitHub | Portfolio

Summary

Computer Science Engineering student specializing in Data Science, with a strong foundation in intermediate machine learning concepts and a growing interest in Generative AI and LLMs. Familiar with deep learning, NLP, embeddings, RAG systems, and ML workflows through continuous learning and experimentation.

Currently focused on understanding advanced ML concepts in depth and applying them through experimentation. Actively exploring on-device AI workflows, including local “vibe coding” setups, automation pipelines, and task automation systems. Eager to gain practical experience through research and engineering opportunities in AI/ML while improving problem-solving and development skills.

Technical Skills

- **Machine Learning & AI Concepts:** Intermediate understanding of supervised/unsupervised learning, deep learning fundamentals, transformers, embeddings, RAG concepts, and sequence models
- **Frameworks & Libraries:** PyTorch, TensorFlow, Hugging Face Transformers, scikit-learn, Pandas, NumPy
- **Generative AI & NLP:** Prompt engineering, LLM workflows, retrieval pipelines, local AI automation systems
- **Programming:** Python, SQL, JavaScript, basic C#/.NET development
- **Data Science & Analytics:** EDA, feature engineering, data preprocessing, data visualization, time-series analysis, statistical fundamentals, predictive modeling basics

Experience

AI Developer Intern

Jun 2025 – Jul 2025

Viswam AI / Swecha Telangana

- Understood end-to-end ML pipelines including data ingestion, cleaning, feature engineering, model training, evaluation, and deployment artifacts
- Developed embedding-based retrieval systems and LLM-driven components integrated with REST APIs using microservice patterns

Projects

AI Smart Expense Tracker

2026

- Developed a personal finance analytics application using Python, SQL, and Streamlit with dashboards and expense trend visualization
- Exploring the integration of data analysis and machine learning to uncover patterns and derive financial insights.

SBI Stock Forecast

2024

- Built scalable pipelines for time-series data ingestion, preprocessing, feature engineering, and predictive analytics.
- Performed EDA, experimented with multiple machine learning algorithms, and developed efficient SQL workflows for data extraction and analysis.

Know2Grow — AI Career Intelligence Platform

Present

- Building an AI career guidance system using embeddings, vector search, and RAG concepts
- Working with Python and FastAPI for modular backend, ingestion pipelines, and LLM integration
- Focusing on practical GenAI applications aimed at real-world value creation

Education

B.Tech in Computer Science & Engineering (Data Science)

MVGR College of Engineering, Visakhapatnam

2022 – 2026

CGPA: 7.21 / 10

Relevant Coursework: Machine Learning, AI, DSA, DBMS, Cloud Computing, Statistics

Achievements & Certifications

- Smart India Hackathon 2024 - National Finalist
- AWS AI Practitioner (Udacity)

- Microsoft Azure Data Fundamentals (DP-900)
- NPTEL Cloud Computing
- Infosys Generative AI: Introduction
- Wipro DotNet Full Stack Development
- Deloitte Data Analytics Simulation (Forage)
- LetsUpgrade SQL Certification

Interests

Deep Learning, NLP/LLMs, Generative AI, Multimodal AI, MLOps, Computer Vision, XR, Applied ML Systems.

Availability

Open to research internships and entry-level AI/ML engineering roles.