Snigdha Gayathri Mandapati
Aspiring Machine Learning Intern | AI Engineer | CSE Undergrad (AI/ML)
+91 8247310334 | snigdhaisme@gmail.com | LinkedIn | GitHub | My Portfolio

PROFESSIONAL SUMMARY
Analytical and self-driven Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning, with a strong foundation in object-oriented programming and data structures using C++. Experienced in building and evaluating machine learning models, developing data pipelines, and implementing AI solutions in real-world projects. Skilled in Python, C++, and ML frameworks like TensorFlow and PyTorch. Enthusiastic about solving complex problems and designing intelligent, scalable systems with clean and maintainable code.

EDUCATION
B.Tech in Computer Science & Engineering (AI/ML) – Aditya University, Surampalem
2022 – Present | CGPA: 8.26
Intermediate (MPC) – Siddhartha Junior College, Tuni | GPA: 9.0 | 2022
Secondary Education, CBSE – Sri Prakash Vidya Niketan, Payakaraopeta | GPA: 9.32 | 2020

SKILLS
Programming Languages: C, C++, Java, Python, JavaScript, TypeScript
AI/ML: Machine Learning (Regression, Evaluation), Deep Learning (CNNs, GANs), NLP (Text Summarization), Computer Vision (OpenCV, Image Enhancement), Speech Processing (Basics), Model Deployment (Flask, React)
OOP & System Design: OOP Principles, TDD, MVC Design, RESTful APIs
Web Technologies: HTML, CSS, JavaScript, React (Basics)
Libraries and Frameworks: Pandas, Matplotlib, Numpy, Seaborn, PyTorch, Tensorflow
Databases: MySQL (Schema Design, SQL Queries)
Tools & Platforms: VS Code, Jupyter, Google Colab, CI/CD Basics
Soft Skills: Teamwork, Multitasking, Communication, Attention to detail

TECHNICAL EXPERIENCE
Machine Learning Intern – Cognifyz Technologies *Jan 2025 – Mar 2025*
- Engineered ML models for restaurant rating prediction, achieving **95% accuracy** through hyperparameter tuning and performance optimization.
- Refined datasets and debugged model flows, ensuring **robust and validated outputs** as part of a cross-functional team.

AI Research Intern – Technical Hub Pvt. Ltd. *Jun 2024 – Aug 2024*
- Developed **interactive data visualization tools** using React JS and R, improving UI responsiveness and user engagement.
- Implemented a **mini RAG pipeline** that combined embeddings with query responses for **policy document Q&A**, simulating compliance AI systems.
- Built and tested reusable front-end components, enhancing **modularity, maintainability, and scalability** of web applications.

PROJECTS
AI-Powered Text Summarizer Link | Demo   **Feb 2025**
- Designed a **responsive text summarization tool** using React, integrating NLP models for concise and dynamic content generation.
- Optimized for seamless user interaction with **real-time, AI-driven summaries**.

AI Sentiment Analysis | Demo | **Feb 2025**
- Developed an **NLP-based sentiment analysis system** using Hugging Face Transformers and Python to classify text into **positive, negative, and neutral** categories.
- Deployed the model via a **Flask web app with modern UI**, enabling real-time user sentiment predictions.

Student Grade Predictor with ML Link | Demo   **Feb 2025**
- Built a **Flask-based machine learning app** for predicting student grades using regression and feature engineering.
- **Achieved a 15% accuracy improvement through robust preprocessing and iterative model tuning.**

CERTIFICATIONS
Microsoft & LinkedIn (Career Essentials in **Generative AI**) | **Microsoft** (Certified **Azure AI Fundamentals**, Introduction to Career Skills in Data Analytics) | **IBM** (**Machine Learning with Python, Deep Learning Fundamentals**, Data Science 101) | **OneRoadMap** (**AI Engineer**, Java, Python, JavaScript) | **Pearson** (IT Specialist – Java) | **Infosys Springboard** (Spring Boot & Angular-React Stack – DevOps Tools & Capstone, Azure DevOps) | **CodeChef** (Java for Problem Solving)

ACHIEVEMENTS
Gold Badges in C++, Java, Python (HackerRank) | GFG Rank: 40 | Code360: Ninja Dominator

LINKS
LeetCode | GeeksForGeeks | CodeChef | Code360 | HackerRank