

Snigdha Gayathri Mandapati

Aspiring Machine Learning Intern | AI Engineer | CSE Undergrad (AI/ML)

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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 CSE – Artificial Intelligence & Machine Learning

Aditya University, Surampalem

CGPA: 8.26 | 2022 – Present

Intermediate (MPC)

Siddhartha Junior College, Tuni

GPA: 9.0 | 2021 – 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 and evaluated ML models for restaurant rating prediction, achieving 95% prediction accuracy through iterative tuning and performance tracking.
- Optimized data pipelines by refining datasets and debugging model flows, ensuring robust and validated output delivery as part of a cross-functional team.

Software 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.
- Contributed to front-end engineering by writing and testing reusable, component-based UI modules, enhancing code modularity and maintainability.

PROJECTS

Deep Image Enhancement via Pixel Transformation [\[Link\]](#)

MARCH 2025

- Designed and implemented an automatic gray-scale image colorization system using OpenCV and deep learning (CNNs, GANs), producing vibrant and realistic results.

Student Grade Predictor with ML [\[Link\]](#)

FEB 2025

- Built a Flask-based web app with an HTML/CSS/JavaScript frontend to predict student grades using ML models, achieving a 12–15% accuracy improvement through data preprocessing, feature engineering, and linear regression.

AI Powered Text Summarizer [\[Link\]](#)

FEB 2025

- Developed a responsive AI text summarization tool using React hooks and components for seamless interaction and dynamic result display.

CERTIFICATIONS

Microsoft (Generative AI, Azure AI Fundamentals) | IBM (ML & DL Fundamentals) | Scaler (Deep Learning) | Pearson (IT Specialist in Java) | OneRoadmap (Java, Python, JavaScript, AI Engineering)

ACHIEVEMENTS

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

LINKS

[LeetCode](#) | [GeeksForGeeks](#) | [CodeChef](#) | [Code360](#) | [HackerRank](#)