SIDDHI MOHOL

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Third-year student at VIT, Pune pursuing B.Tech. in IT. Passionate about programming with a focus on web development and Al/ML. Eager to apply academic knowledge and contribute to projects with a fresh perspective.

Skills

Languages: C++, Python, HTML5, CSS, JavaScript, MongoDB, MySQL
Tools/Technologies: Git, Machine Learning, Data Science, Game Development (Unity), GenAi, Figma
Libraries: Scikit-learn, TensorFlow
Frameworks: Flask,Node.js, React, Express.js

Projects

DataPilot-AutoML-Assistant : Link
2025

- Built AutoML, a web app with Streamlit, automating the ML pipeline — data cleaning, EDA, preprocessing, hyperparameter tuning (Optuna), ensemble modeling, and deployment-ready outputs.
- Integrated scikit-learn, **XGBoost, LightGBM, SMOTE**, and **Google Gemini AI** to automate classification/regression, visualize performance, and provide AI-powered insights in an interactive interface.

Gram Nirman Mitra **SIH Finalist Project**
2024

- Developed an immersive, multiplayer, multilingual Unity-based game for rural planning, integrating Mapbox for real-world GIS data and Photon Engine for real-time interactions. Designed intuitive gameplay with features like markets, panchayats, and infrastructure planning to foster sustainability awareness, financial literacy, and strategic decision-making.
- Tech Stack: **Unity, C#, Mapbox SDK, Photon Engine, GIS, Multiplayer Networking**

CodeSolve AI – AI-Powered Coding Assistant : Link
2025

- A **Top 10 finalist project at Technov8 Hackathon**, leveraging **Google Gemini API** to provide intelligent, context-aware coding assistance with a **Flask backend and responsive UI.**
- Tackled real-world challenges like context preservation, incomplete answers, and real-time code debugging, demonstrating strong problem-solving and full-stack development skills

The Future of Skin Cancer Detection: Machine Learning and Convolutional Neural Networks
2024

- Engineered a deep learning-based skin cancer detection system using a Hybrid **CNN-Autoencoder Model**, optimizing feature extraction and classification for enhanced accuracy.
- Developed a web-based platform using HTML, CSS, and **Machine Learning,** enabling users to upload skin lesion images for analysis while continuously improving model performance through medical feedback.

Certificates & Badges

- Career Essentials in Generative AI by Microsoft and LinkedIn
- Unity Essentials Pathway
- Unity Junior Programmer
- Python: Hands-On Projects (Udemy)
- Java OOP: Object Oriented Programming

Reference

- GitHub
- Leetcode
- Kaggle

Achievements

- **SIH'24 Finalist**
- **Innovate & Inspire - Season 13 Winner**
- **ISIH'24 Winner**