

SIDDHI MOHOL

•B. Tech in Information Technology

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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 AI/ML. Eager to apply academic knowledge and contribute to projects with a fresh perspective.

Education:

Vishwakarma Institute of Technology, Pune B.Tech Information Technology CGPA: 9.0	2023- 2027
MHT-CET: 97.48%ile JEE: 92.48%ile 12 th Boards: 74.83% 10 th Boards: 82%	2016-2023

Skills

Languages: C++, Python, HTML5, CSS, JavaScript, TypeScript, MongoDB, MySQL

Tools/Technologies: Git, Machine Learning, Data Science, Game Development (Unity), GenAi, LangChain, LangGraph, LangSmith, Docker, REST API

Libraries: Scikit-learn, TensorFlow

Frameworks: Flask,Node.js, React, Express.js, FastAPI, Next.js

Projects

DataPilot-AutoML-Assistant : Link	2025
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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	
Smart Curve Guardian – Real-time Vehicle Threat Detection	IET Conference 2025
<ul style="list-style-type: none">Designed ML-based system to detect approaching vehicles in blind spots using IoT + AI for road safety.Presented at IET ICRTCIS 2025 conference.	
NexStay : Link	2025
<ul style="list-style-type: none">Developed a full-stack MERN application enabling guests and hosts to manage property rentals, inspired by Airbnb.Built an AI-powered chatbot using Groq’s Llama-3.1-8B-Instant and LangGraph to provide booking assistance, recommendations, and query handling.Implemented property listing management, booking system, PDF downloads, and multi-role authentication (guest, host, admin).	
The Future of Skin Cancer Detection: Machine Learning and Convolutional Neural Networks : Link	2024
<ul style="list-style-type: none">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.	

Experience:

Tech Mahindra: SDE

September 2025 – November 2025

Unified Mentors : Machine Learning Intern

June 2025 – August 2025

Publications:

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

Kuldeep Vayadande, Owee Mirajkar, Satyam Mhetre, Harsh Mehta, Sahil Markande, **Siddhi Mohol**

[IEEE Explore](#)

2024 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI)

Smart curve guardian: real-time vehicle threat detection

Avadhoot Rajurkar, Owee Mirajkar, Satyam Mhetre, Harsh Mehta, **Siddhi Mohol**, Mithilesh Gandhe

[IET Conference](#)

6th International Conference on Recent Trends in Communication & Intelligent Systems (ICRTCIS 2025)

Certificates & Badges

- Sequence Models – DeepLearning.AI (Coursera)
- Convolutional Neural Networks – DeepLearning.AI (Coursera)
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- Career Essentials in Generative AI by Microsoft and LinkedIn
- Unity Essentials Pathway
- Unity Junior Programmer
- Python Crash Course : Hands-On Projects (Udemy)
- Java OOP: Object Oriented Programming (Udemy)
- 210+ Exercises- Python Standard Libraries(Udemy)

Reference

- [GitHub](#)
- [Leetcode](#)
- [Kaggle](#)

Achievements

- **SIH'24 Finalist**
- **Innovate & Inspire - Season 13 Winner**
- **ISIH'24 Winner**
- **6th National RollBall Championship**
- **8th National RollBall Championship**
- **13th State-Level RollBall Tournament**