

Siddharth Mohril

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EDUCATION

VIT Bhopal University, Bhopal, MP Expected May 2026
B.Tech Computer Science & Engineering (AI & ML Specialization) — CGPA: 8.02/10
12th Standard - Delhi Public School, Durg, Chhattisgarh Jul 2021 — GPA: 9.05/10
10th Standard - Delhi Public School, Durg, Chhattisgarh Jul 2019 — GPA: 8.79/10

TECHNICAL SKILLS

Languages: Python, Go, Java, JavaScript, SQL
ML/AI: TensorFlow, Keras, Scikit-learn, PyCaret, Pandas, NumPy
Web Frameworks: React, Streamlit, HTML, CSS
Tools: Git, GitHub, Docker, Kubernetes, PostgreSQL, REST APIs, Excel

PROJECTS

Swaasthya – Comprehensive Healthcare Management Platform Nov 2024 - Apr 2025

- Architected a full-stack healthcare system to streamline hospital operations, handling patient flow, appointment scheduling, and digital records, scaling to support 10,000+ patient visits/month.
- Designed and implemented role-based dashboards, improving operational efficiency and reducing appointment wait times by 25%.
- Developed secure data pipelines using Python and SQL modules to manage patient data with 99% accuracy.
- **Tech Stack:** Go, Python, PostgreSQL, REST APIs, React, Docker, Kubernetes.

Flora-MD – Plant Disease Detection System Feb 2024 - May 2024

- Engineered a CNN model with 97% accuracy using 1,500+ plant disease images across multiple classes.
- Deployed an interactive web application using Streamlit, featuring multilingual support and an integrated chatbot to reduce user query time by 30%.
- **Tech Stack:** Python, TensorFlow, Keras, Pandas, Streamlit, Deep Learning.

Alzheimers Prediction System Jun 2023 - Oct 2023

- Deployed a user-friendly interface powered by Streamlit, enabling users to receive a binary prediction for Alzheimer's risk in under 5 seconds.
- Engineered a Logistic Regression model via PyCaret on the ADNI dataset, achieving ~70% classification accuracy.
- **Tech Stack:** Python, PyCaret, Scikit-learn, Pandas, Streamlit.

EXPERIENCE & LEADERSHIP

Team Lead, Design and Marketing — Bashcraft Club, VIT Bhopal Jan 2024 - Present

- Grew online audience engagement by over 25k views by directing social media campaigns and producing Instagram Reels.
- Fostered practical coding skills for over 1000 students by organizing and leading three technical workshops.

Core Team Member, Design and Marketing — Marathi Club, VIT Bhopal Apr 2024 - Present

- Amplified community engagement by coordinating large-scale cultural events, attracting over 500+ attendees.

EXTRACURRICULAR ACTIVITIES

Industry Training Program Apr 2024 - Jun 2024

- Gained hands-on exposure to industrial IoT, AI, and EV applications during an experiential learning program with technical site visits to 5+ industry leaders (incl TVS, BSNL, Preprod).

CERTIFICATIONS

- Oracle Certified Java Foundation Associate • IBM Certified Cyber Security Analyst
- Applied Machine Learning in Python (Coursera) • Python Pro Bootcamp (Coursera)

LANGUAGES

Hindi (Fluent), English (Fluent), Marathi (Conversational)