

Siddharth Mohril

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Education

VIT Bhopal University Bhopal, Madhya Pradesh
BTech Expected May 2026
Major in Computer Science; Minors in Artificial Intelligence and Machine Learning
Cumulative GPA: 8.08/10

12th Standard

Delhi Public School, Durg Durg, Chhattisgarh
CBSE Cumulative GPA: 9.05/10 May 2021

10th Standard

Delhi Public School, Durg Durg, Chhattisgarh
CBSE Cumulative GPA: 8.79/10 May 2019

Projects

[Flora MD](#) Feb 2024 – May 2024

- Developed Flora MD, a CNN-based plant disease detection system and integrated web application, achieving 97% accuracy in identifying healthy plants, powdery mildew, and rust from user-uploaded images.
- Engineered the end-to-end solution using TensorFlow/Keras, addressing limitations of prior models by employing robust data augmentation techniques and designing for classification under varied environmental image conditions.
- Enhanced user experience by incorporating an interactive chatbot, a curated news section, and practical solutions for managing plant diseases, with links to purchase relevant products for immediate action.
- Designed and implemented the full project lifecycle, from data pre-processing (noise removal, image enhancement using histogram equalization) and CNN model training (on a dataset of 1530 curated images) to deploying a user friendly front-end ensuring seamless operation.
- Designed an intuitive and aesthetically pleasing user interface, balancing functionality and visual appeal to ensure a seamless and enriching user experience.

[Alzheimer's Disease Prediction](#) Jun 2023 – Oct 2023

- Developed a machine learning model (Logistic Regression) to predict the likelihood of Alzheimer's disease using clinical features (e.g., age, MMSE, APOE status) from the ADNI dataset achieving 70% accuracy.
- Collaborated in designing and building an interactive web application using Streamlit, enabling users to input patient data for real-time prediction.
- Deployed the prediction system on publicly accessible platforms (Streamlit Share, Hugging Face Spaces), enhancing its availability for potential use.
- Contributed to an end-to-end project aimed at addressing the critical need for early Alzheimer's detection to improve patient outcomes.

Swaasthya: Centralized Hospital System Nov 2024 – Apr 2025 (Tentative)

- Designed and developed a centralized hospital system, “Swaasthya,” to improve healthcare data management and service delivery by unifying patient information, including medical histories, test results, and appointments, into a single accessible platform across hospitals in a region.
- Implemented real-time updates and notifications for hospital staff, streamlining patient queues, appointment scheduling, and resource management, including ICU beds and medical equipment, for efficient handling during emergencies.
- Incorporated robust security features, such as two-factor authentication and role-based access control, ensuring the system scales securely with increasing patient data and hospital networks.

Extracurricular

Bashcraft Club Jan 2024 - Present

- Team Lead for Design and Marketing, responsible for managing a team, coordinating design projects, and ensuring creative output met high standards.
- Directed social media marketing campaigns, producing engaging reels that amassed over 25k views, enhancing the club's online presence and audience engagement.
- Organized and led multiple tech events for college students, fostering collaboration and learning within the tech community.

Marathi Club Apr 2024 – Present

- Core Team Member for Design and Marketing at the Marathi Club, responsible for managing a team and coordinating creative campaigns for various cultural events.

- Organized large-scale cultural events that attracted significant crowds, contributing to the promotion of Marathi culture within the college community.

Additional activities

Industry Training

Chennai & Bangalore, India

- Participated in an experiential learning program in Chennai and Bangalore, visiting renowned companies such as TVS, BSNL, and Preprod Company.
- Gained hands-on experience in cutting-edge technologies such as telecommunications, IoT, electric vehicles, and artificial intelligence.
- Engaged with industry experts, learning about the real-world application of emerging technologies, including the integration of AI with IoT and big data.
- Explored the startup ecosystem and its impact on technological innovation in India, with insights into machine learning, CI/CD pipelines, and AI automation.

Diploma in Music

Indira Kala Sangit Vishwavidyalaya, Khairagarh

- Completed a 6 years degree in music, gaining in-depth knowledge and skills in musical theory and performance
- Performed at various cultural events
- Represented VIT Bhopal at IIT Roorkee, participating in high-profile competitions and events, which provided an opportunity to engage with a broader musical community.

District Level: Gymnastics

Durg, Chhattisgarh

- Competed in gymnastics at the district level, demonstrating dedication and skill in various routines and events, while representing my school and coaching.

ADDITIONAL

Technical Skills: Proficient in Python, JavaScript, Excel

Languages: Fluent in Hindi, English; Conversational Proficiency in Marathi

Certifications & Training: Applied Machine Learning in Python (University of Michigan, Coursera), Foundations of Business Intelligence (Google, Coursera), Foundations of Project Management, Foundations: Data, Data, Everywhere (Google, Coursera), Python Pro bootcamp (Angela Yu, Coursera), Privacy and Security in Online Social Media (IIIT Hyderabad, NPTEL), [certifications links](#)