

SIDDHANT MAHAJAN

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EDUCATION

VIT Bhopal University

(Aug, 2022 – Expected May, 2026)

B. Tech CSE with Specialization in AIML | CGPA: 8.70

St. Wilfred CBSE School, Panvel

(Apr, 2022)

Higher Secondary | CBSE | Percentage: 72%

St. Mary's JNP School

(Mar, 2020)

Secondary | Maharashtra State Board | Percentage 90.2%

SKILLS

- **Languages:** Strong grasp on Python, C++; familiarity with Java, SQL in MySQL.
- **Experience:** Machine learning and Deep learning using Scikit-learn, Pandas, TensorFlow, Rapids; Basic Data analytics using MS Excel, Dataiku, Tableau.

PROJECTS

Brain Cancer Detection

(May, 2025)

- **Designed Functional Ensemble models**, utilizing MobileNetV3, VGG19 and ResNet50V2 models for finetuning.
- **Achieved 96% accuracy** on unseen test data of **1000 images**.
- **Reduced the time taken for training and predictions** with the functional model architecture over traditional Ensemble architecture, as tested locally

Lungs Disease Detection through Audio Recordings

(Apr, 2025)

- **Created a CNN-RNN algorithm pipeline** to accurately map and identify 8 classes of patient diagnoses using audio samples.
- **Trained on over 870 audio samples**, the model achieves exceptional accuracy of 94.8% on a testing set of 97 data samples, thus proving its feasibility on aiding for a better and robust medical usability.
- **Crafted for customizable feature extraction** from audio with help of MFCC coefficients.

BirdLens

(Dec, 2024)

- **An Ensemble model** combining MobileNetV2 and VGG19 for image classification task.
- **Achieves 97% accuracy** on classification of 7500 images of 25 Indian Bird species.
- **Implemented Wikipedia integration** for more information on the recognized bird species.

CERTIFICATIONS AND EXTRA-CURRICULARS

CERTIFICATIONS

- **Machine Learning with TensorFlow – FreeCodeCamp**
- **Applied Machine Learning in Python – Coursera**
- **Dataiku Developer Certificates – Dataiku**

CO-CURRICULAR

- **Achieved a top 5% rank** in the NPTEL Privacy and Security on Online social media, demonstrating expertise in technologies utilized and academic excellence.

EXTRA-CURRICULAR

National Service Scheme - VIT Bhopal University

- Spearheaded planning for women's empowerment events during '**International Women's Day**', resulting in increased local participation and heightened awareness of gender equality issues among villagers.
- Part of NSS – **VIT Bhopal 10,000 trees plantation drive**, managing a team of 10 volunteers along with coordinating with other 25 teams to make the drive successful.

Sabudh Foundation – STPI, India

- Selected as a Data Science Intern in the Sabudh Foundation Initiative, backed by STPI, Ministry of Electronics & Information Technology Government of India.

ADDITIONAL INFORMATION

- **Languages:** English (Professional working proficiency), Hindi and Marathi (Native professional proficiency)

CODING PROFILE

- [GeeksForGeeks – Siddhant Mahajan](#) [Leetcode – Siddhant Mahajan](#) [ML Notebooks - GitHub](#)