SIDDHANT MAHAJAN

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LinkedIn | GitHub

EDUCATION

VIT Bhopal University   (Aug, 2022 – Expected May, 2026)
  B. Tech CSE with Specialization in AIML | CGPA: 8.63

St. Wilfred CBSE School, Panvel   (April, 2022)
  Higher Secondary | CBSE | Percentage: 72%

St. Mary's JNP School   (March, 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)
- **Utilized Concatenated Pre-trained models** together to train a Meta-Classifier.
- **Achieved 98% accuracy** on unseen test data of **1000 images.**
- **Unlike Ensemble Models,** the functional models require less time to classify the images, as the models parallelly classify the images and output the data to be feed forward to lower layers.
- Allows the processed output of the models to be utilized in additional lower layers unlike ensemble models, where only the output probabilities can be used.

Lungs Disease Detection through Audio Recordings   (April, 2025)
- **A deep learning model** which analyses the audio samples to predict the disease contracted by a patient.
- **Utilizes CNN-RNN algorithms** to accurately map and identify 8 classes of patient diagnoses.
- **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.
- **Allows modifiable feature extraction** from audio with help of MFCC coefficients.

EXTRA-CURRICULARS AND ACHIEVEMENTS

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.
- Impacted more than 100 local residents with a skit that promoted gender equality and social change by bringing attention to women's rights, equality, and empowerment.
- 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.
- As a part time intern, I will learn about Machine learning technologies, Deep learning and Recommendation Systems, along with leveraging Dataiku software for Data Analysis.

ADDITIONAL INFORMATION

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

CODING PROFILE

- **GeeksForGeeks – Siddhant Mahajan**   **Leetcode – Siddhant Mahajan**   **ML Notebooks - GitHub**