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: 8.74

St. Wilfred CBSE School, Panvel (July, 2020 – April, 2022)
Higher Secondary | CBSE | Percentage: 72%

St. Mary's JNP School (March, 2020)
Secondary | Maharashtra SSC | Percentage 90.2%

SKILLS

- **Languages:** Python, C++, familiarity with SQL in MySQL, Java.
- **Experience:** Data analytics using MS Excel, Dataiku, Tableau, Machine learning using scikit, pandas, Tensorflow, Rapids.

PROJECTS

Plant Leaf Disease Detection (Oct, 2024)
- **Modelled a CNN algorithm** which was able to classify over 84,000 leaf images spanning across 38 classes.
- **Implemented a CUDA-enabled pipeline** allowing faster and accurate training of the model, enabling rapid prototyping of model hyperparameters.
- **Optimized the model layers** to achieve approximately 96% accuracy in validation data testing.

BirdLens (Nov, 2024 – Dec, 2024)
- **An ensemble model deep learning project** which leverages the CNN algorithms to identify 25 classes of Indian birds.
- **Trained on 30,000 images,** the VGG-19 and MobileNetV2 models are fined-tuned to provide exceptional recognition accuracy, individually touching up to 92% on validation set.
- **Ensemble model** combines the two fine-tuned models together, boosting the accuracy to 97% on validation dataset.

EXTRA-CURRICULARS AND ACHIEVEMENTS

ACHIEVEMENTS
- Engaged in a disciplined **100 Days of Code** challenge centered on C++ and Data Structures & Algorithms, while building a strong foundation in algorithmic thinking and strengthening problem solving skills and coding proficiency.
- **Achieved a top 5% rank** in the **NPTEL** Privacy and Security on Online social media, demonstrating expertise in technologies utilized and academic excellence.

EXTRACURRICULAR
National Service Scheme - VIT Bhopal University
- Spearheaded planning for women's empowerment events during **'International Women's Day'**, resulting in increased local participation by 40% 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.
- As a part time intern, I will learn about Python, Machine learning technologies, Deep learning and Recommendation Systems, leveraging Dataiku software for Data Analysis.

ADDITIONAL INFORMATION

- **Interests:** Gaming, Reading Comics, Listening Music, Tech Trendy.
- **Languages:** English (Professional working proficiency), Hindi and Marathi (Native professional proficiency)

CODING PROFILE

- **GeeksForGeeks – Siddhant Mahajan**