

# 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

(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 and Deep learning using Scikit-learn, Pandas, Tensorflow, Rapids.

## PROJECTS

### Plant Leaf Disease Detection

(Oct, 2024)

- **Modelled a CNN based model** which was able to classify over 80,000 leaf images spanning across 38 classes of plants.
- **Utilised a CUDA-enabled system** allowing faster training of the model with higher precision, enabling rapid prototyping of model hyperparameters.
- **Optimized the model** to achieve an approximate of 96% accuracy in validation data testing.

### BirdLens

(Nov, 2024 – Dec, 2024)

- **A Deep ensemble model project** which leverages the CNN algorithms and 2 pre-trained models to identify 25 classes of Indian birds.
- **Trained on 30,000 images**, the VGG-19 and MobileNetV2 models are fine-tuned to provide exceptional recognition accuracy, individually garnering 92% on validation dataset.
- **An Ensemble model** combines the two fine-tuned models together, thus boosting accuracy to 97% on validation dataset.

## EXTRA-CURRICULARS AND ACHIEVEMENTS

### ACHIEVEMENTS

- Engaged in a disciplined **#Dr. G. Viswanathan 100 Days of Code** challenge on LinkedIn, 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

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

## CODING PROFILE

- [GeeksForGeeks – Siddhant Mahajan](#)