

SWAYAM VINOD

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Education

VIT Bhopal University

Bachelor of Technology (B.Tech) in Computer Science & Engineering, CGPA: 8.50

Expected 2026

Madhya Pradesh

St. George's School

Senior Secondary (Class 12) – CBSE, Percentage: 78%

June 2022

New Delhi

St. George's School

Secondary Education (Class 10) – CBSE, Percentage: 87.6%

July 2020

New Delhi

Technical Skills

Programming Languages: Java, Python, SQL, HTML, CSS, JavaScript

Libraries/Frameworks: TensorFlow, PyTorch, Pandas, NumPy, FastAPI

Tools & Platforms: GitHub, FastAPI, Salesforce, AWS

Projects

AI Model - Sales GPT | *Python and additional libraries*

May 2024

- Developed an automated Sales Copilot designed to streamline and enhance the sales process.
- Worked on backend development using Python and its libraries.
- Natural Language Processing (NLP) using libraries such as Hugging Face Transformers, SpaCy, and NLTK to analyze unstructured sales data.
- Suggesting relevant products or services to prospects based on their identified needs and past interactions, often using collaborative filtering or content-based filtering approaches.
- Did extensive research on different datasets from various sources like Kaggle.

ML Model - Farm Fusion | *Python, FastAPI, TensorFlow*

April 2025

- Developed an ML based model that can be used for crop recommendation, fertilizer recommendation, & plant disease detection.
- Built a robust API using FastAPI to serve these ML models, enabling seamless interaction with a web interface.
- Crop Recommendation Model: Engineered a machine learning model employing ensemble methods (Random Forest) and neural networks to recommend optimal crops based on environmental parameters (like temperature, humidity, rainfall), soil nutrient levels (N, P, K).
- Fertilizer Recommendation Model: Developed a separate ML model using regression algorithms to suggest precise fertilizer compositions.
- Plant Disease Detection Model: Implemented a deep learning-based computer vision model using TensorFlow/Keras trained on large datasets of plant images (mainly leaves) annotated with various disease labels.
- Demonstrated expertise in combining multiple AI models and deploying them via an API for practical applications.

Certifications

AWS Solutions Architect - Associate Certification Program

April 2025

Ethnus (Codemithra)

Online

Salesforce Developer Certification Program

April 2025

Ethnus (Codemithra)

Online

HTML, CSS and JavaScript

December 2023

John Hopkins University (Coursera)

Online

Extracurricular

- * Event Management team (Core member) - FinTech club. Organised FinGen AI Hackathon, CodeQuests
- * Participated in 2023 IIT Delhi MUN as part of the International Press Corps.
- * Served as the Head of the Organizing Committee for the VITB MUN Club. Helped organize MUN's and voter awareness campaigns in the campus.
- * Vice Chairperson IPC in VITB MUN'25.