

DIWAKAR MISHRA

Bhopal, Madhya Pradesh

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LinkedIn

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL

2023 – 2027

B.Tech - Computer Science and Engineering (AIML) - CGPA - 7.84

Bhopal, Madhya Pradesh

DAV PUBLIC SCHOOL, BARMANA

2020 – 2022

Higher Secondary: 83.4% (2021–2022) | Matriculation: 92% (2020–2021)

Barmana, Himachal Pradesh

TECHNICAL SKILLS

- Languages:** Python, C++, SQL, HTML, CSS
- Frameworks/Libraries:** Flask, Streamlit, scikit-learn, spaCy, Pandas, NumPy, Matplotlib
- Databases:** SQL, JSON (structured data handling)
- Tools/Platforms:** Git/GitHub, Power BI, Docker, Excel, Nginx, Gunicorn, RESTful APIs, Canva

PROJECTS

FinTech Dashboard & Predictive Analytics | Python, ML

Apr 2025 - May 2025

- Developed a financial analytics dashboard to visualize market trends and portfolio performance, integrating real-time data from financial APIs.
- Implemented predictive models using **Scikit-learn** to forecast stock prices and identify potential investment opportunities, achieving an average forecasting accuracy of 85%.

Smart Resume Analyzer | Python, Flask, NLP, ML

Feb 2025 – April 2025

- Developed and deployed a full-stack web application to analyze, score, and optimize resumes using **Natural Language Processing (NLP)** and **Machine Learning (ML)**.
- Built a **RESTful API** in Flask to process resume files (PDF/DOCX), extract key sections (Experience, Education, Skills), and deliver JSON-based analysis.
- Implemented an **NLP pipeline** using spaCy and scikit-learn to classify over 100 skills, achieving 95% accuracy, and designed a weighted scoring algorithm for resume quality evaluation.
- Automated deployment with **Gunicorn, Nginx, and systemd**, integrating logging, monitoring, and secure file handling for production reliability.

AGRiFARM – Crop & Fertilizer Recommender | Python, ML

Jan 2025 - Feb 2025

- Expanded a machine learning-based recommendation system analyzing soil N, P, K levels, pH, rainfall, and temperature to optimize crop/fertilizer selection, achieving 98% prediction accuracy using Random Forest.
- Integrated a user-friendly **Streamlit** interface enabling farmers to input parameters and receive real-time recommendations, reducing fertilizer waste by ~30% in pilot testing.

ROLES OF RESPONSIBILITY

Vellore Institute of Technology, Bhopal

September 2024 - Present

University Assistant Sports Secretary

Bhopal, Madhya Pradesh

- Supervised a team of 300+ student volunteers in coordinating event logistics, including venue setup, registration, and equipment management, resulting in zero major incidents and positive feedback from participants.
- Orchestrated university-level sports event (AdViTyA'25 Annual Sports Fest), including cricket, soccer, and track and field, attracting over 1500+ participants and ensuring seamless event execution from start to finish.

Vellore Institute of Technology, Bhopal

January 2024 - Present

iOS Club President

Bhopal, Madhya Pradesh

- Managed event planning and logistics for the largest technical club at VIT Bhopal, leading multiple hackathons, workshops, and speaker sessions focused on app development and innovation.

EXTRACURRICULAR

- Active participant in hackathons (One of the Best Maintainers in **AcWoc'25 Hackathon**) and coding challenges.
- English Proficiency Certification – **C1 Advanced** (EF SET).
- Completed **Python for Data Science, AI & Development** by IBM on Coursera.
- Completed **Databases and SQL for Data Science with Python** by IBM on Coursera.