

# DIWAKAR MISHRA

Bhopal, Madhya Pradesh

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## EDUCATION

### VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL

2023 – 2027

B.Tech - Computer Science and Engineering(AIML) - **CGPA - 7.81**

Bhopal, Madhya Pradesh

### DAV Public School, Barmana

2021 – 2022

Higher Secondary - **PERCENTAGE - 83.4**

Barmana, Himachal Pradesh

### DAV Public School, Barmana

2020 – 2021

Matriculation - **PERCENTAGE - 92**

Barmana, Himachal Pradesh

## EXPERIENCE

### Vellore Institute of Technology, Bhopal

September 2024 - Present

Role - 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.

## PROJECTS

### StrongCEMENT – Concrete Strength Predictor | Python, Streamlit, ML

Apr 2025 – May 2025

- Built a web application to predict concrete compressive strength using mix composition inputs such as cement, water, coarse/fine aggregates, and admixtures.
- Utilized regression models like Random Forest Regressor and Linear Regression, achieving high  $R^2$  score and low MAE.
- Created an interactive **Streamlit** UI for real-time prediction, making it accessible for civil engineers, students, and researchers.

### AGRiFARM – Crop & Fertilizer Recommendation System | Python, ML

March 2025-May 2025

- Developed 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

### eDoc–Health Appointment System | HTML, CSS, Node.js

Oct 2024-Feb 2025

- Developed an online doctor appointment platform to streamline scheduling, availability management, and patient records, while designing and launching a new user interface (UI) for the onboarding process with interactive tutorials and personalized recommendations.
- Streamlined doctor appointment booking through automated scheduling platform, decreasing patient wait time and boosting doctor consultation efficiency by approximately two patients daily

## TECHNICAL SKILLS

- Languages:**C++, Python, HTML, CSS
- Databases:**SQL, MongoDB
- Development:**Front-end Web Development, Streamlit
- Other Skills:**Machine Learning(ML), Data Structures & Algorithms (DSA), Event Management, Canva, OOP's

## CERTIFICATIONS

- Python for Data Science, AI & Development – IBM
- Databases and SQL for Data Science with Python – IBM

## EXTRACURRICULAR

- English Proficiency Certification-C1 Advanced (EF SET).
- iOS Club Co-Lead (Event Management)-Managed event planning and logistics for the largest technical club at VIT Bhopal.
- Active participant in hackathons(One of the Best maintainer in **AcWoc'25 Hackathon**) and coding challenges.