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** - **7.84*** — *Bhopal, Madhya Pradesh*

DAV PUBLIC SCHOOL, BARMANA — **2020 − 2022**
*Matriculation: **92%** (2020–2021) | Higher Secondary: **83.4%** (2021–2022)* — *Barmana, Himachal Pradesh*

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%.

AGRiFARM – Crop & Fertilizer Recommendor | Python, ML — **Feb 2025-Apr 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

StrongCEMENT – Concrete Strength Predictor |Python, Streamlit, ML — **Jan 2025 − Feb 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.

ROLE OF RESPONSIBILITY

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.

TECHNICAL SKILLS

- **Languages:**Python,C++,HTML,CSS
- **Databases:**SQL
- **Frameworks/Tools:**Streamlit,Scikit-learn,Pandas,Matplotlib
- **Concepts:**Machine Learning (**ML**), Data Structures & Algorithms (**DSA**), **OOP's**
- **Other Skills:**Canva, Git/GitHub,Power BI

CERTIFICATIONS

- Python for Data Science, AI & Development − IBM(Coursera)
- Databases and SQL for Data Science with Python − IBM(Coursera)

EXTRACURRICULAR

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