DIWAKAR MISHRA

Bhopal, Madhya Pradesh

📞 +91-8894804205 ✉ diwakarmishra2905@gmail.com in LinkedIn ⭘ GitHub

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*

TECHNICAL SKILLS

- **Languages:**Python,C++,HTML,CSS
- **Databases:**SQL
- **Tools/Platforms:**Power BI,Excel,Git/GitHub,Canva
- **Frameworks/Libraries:**Streamlit,Scikit-learn,Pandas,Matplotlib

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**
- 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

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.

Vellore Institute of Technology, Bhopal **January 2024 - Present**
Role - 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.