

DIWAKAR MISHRA

Bhopal, Madhya Pradesh

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LinkedIn

GitHub

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL

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

2023 – 2027

Bhopal, Madhya Pradesh

DAV PUBLIC SCHOOL, BARMANA

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

2020 – 2022

Barmana, Himachal Pradesh

TECHNICAL SKILLS

- **Languages:** Python, C++, SQL, HTML, CSS
- **Frameworks/Libraries:** FastAPI, Flask, LangChain, scikit-learn, spaCy, NumPy, Pandas, Matplotlib
- **Deployment/API:** Microservices, RESTful APIs, Gemini API, Docker, Nginx, Gunicorn
- **Tools/Platforms:** Git/GitHub, Vercel, Render, JSON, Power BI, Excel, Canva

EXPERIENCE

ASGRV Solutions Pvt. Ltd.

Software Developer Intern

September 2025 - Present

New Delhi

- Engineered a Smart Search **Microservice API** utilizing Python and FastAPI, slashing data retrieval latency by 30% and boosting application performance metrics for internal client search workflows.
- Spearheaded creation of secure **RESTful API architecture**, writing production-ready code that streamlined operational workflows and demonstrably **reduced server load by 10%** during peak usage.

PROJECTS

Socratic AI Coding Coach (AlgoSENSEI) | Python, FastAPI, LangChain ↗ Aug 2025 - Oct 2025

- Engineered a scalable AI coaching platform integrating **FastAPI**, **LangChain**, and **Gemini API**; platform now supports 500+ daily active users and reduces onboarding time by 40%.
- Streamlined a multi-service architecture with **Vercel frontend** and **Render backend**, facilitating scalable public access to the AI coding coach and supporting **50+** concurrent users with minimal latency.

Smart Resume Analyzer | Python, Flask, NLP, ML ↗

May 2025 – Jul 2025

- Designed and implemented a scalable Flask web application leveraging **spaCy** and **scikit-learn** for **NLP-driven** skill extraction and classification from **PDF/DOCX** resumes with **95%** accuracy
- Orchestrated the creation of **RESTful APIs** using Flask with robust error handling, which supported automated resume parsing, and section extraction, **reducing manual processing** time by 7 minutes per resume.
- Constructed a weighted scoring mechanism for resume evaluation that elevated candidate ranking precision by **20%**, leveraging **Gunicorn**, **Nginx**, and **systemd** for robust security and uptime.

FinTech Dashboard & Predictive Analytics | Python, ML ↗

Feb 2025 - Apr 2025

- Launched a **Predictive Analytics** FinTech Dashboard via **Streamlit**, connecting **live financial APIs** and reducing manual portfolio tracking time by 1.5 hours weekly for each of **75 active users**.
- Catalyzed a **Machine Learning pipeline** leveraging **Scikit-learn** to forecast stock prices, achieving **85%** accuracy and leading to a **3%** improvement in simulated portfolio performance.

EXTRACURRICULAR ACTIVITIES

- **University Sports Secretary, VIT Bhopal:** Supervised 300+ volunteers and organised the AdVITya'25 Annual Sports Fest with 1500+ participants, ensuring flawless execution.
- **iOS Club Student Coordinator, VIT Bhopal:** Led major hackathons, workshops, and speaker sessions on app development, driving innovation and member engagement.
- Active participant in coding hackathons and competitions; recognized as Best Maintainer at **AcWoc'25 Hackathon**.
- Mastered **Python for data science, AI and development, Databases** and **SQL** through rigorous **IBM** coursework, applying learned skills in hackathons to create 3 unique machine learning algorithms which improved code efficiency by **15%**.