Aviral Dwivedi

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Education

VIT BHOPAL UNIVERSITY   Bhopal, Madhya Pradesh
Bachelor of Technology   Expected May 2026
Major in Computer Science and Engineering
Cumulative GPA: 8.87/10

Internships

SniperThink   Remote
DevOps and Backend Intern   June 2025 – Present
- Optimized cloud infrastructure on AWS, reducing costs by 80% and improving system uptime by 25%.
- Reduced deployment time by 60% through CI/CD pipeline and Docker containerization implementation.

INGRADE   Remote
Data Scientist Intern   February 2025 – May 2025
- Spearheaded the development of interactive Power BI dashboards, significantly enhancing risk assessment and loan performance visualization, leading to a 40% reduction in analysis time.
- Conducted EDA and correlation analyses on data points to discern pivotal features impacting default propensity, achieving 85% prediction accuracy. Partnered with product and analytics teams to derive actionable insights, resulting in a 10% decrease in default rates.

EVOASTRA VENTURES PVT LTD   Remote
Data Scientist Intern   June 2024 – August 2024
- Automated Power BI dashboards reduced report generation time by 8+ hours weekly.
- Scraped e-commerce data from 10+ websites, improving market analysis and sales strategy, leading to 50% more informed decisions.
- Influenced client retention strategy with actionable insights, resulting in an 8% engagement improvement. Collaborated with operations and marketing to enhance data-driven decision-making.

Projects

CREDIT RISK PREDICTION SYSTEM   March 2025
- Pioneered a credit default risk prediction model in Python, utilizing logistic regression; achieved 92% accuracy and an AUC of 0.88.
- Enhanced data-driven features, achieving 85% accuracy as validated by confusion matrix and ROC.

CROP RECOMMENDATION SYSTEM   January 2025
- Orchestrated a system, achieving 95% accuracy by leveraging soil, nutrient, and regional datasets.
- Classified data using algorithms and preprocessed with pandas as part of a 10-member research team.

Activities

BLOCKCHAIN CLUB,VIT BHOPAL   Bhopal, Madhya Pradesh
Core Team Member, Social Media   November 2023 – June 2024
- Coordinated and oversaw engaging content for Web3 and NFT event promotion. Partnered with technical teams to disseminate AI x Blockchain insights, increasing social media reach by 40% during event cycles.

TEDxVITBHOPAL   Bhopal, Madhya Pradesh
Core Team Member, Hospitality Team   February 2023 – Present
- Facilitated guest experience and logistics for TEDx events, ensuring seamless execution and professional engagement with 300+ attendees..

Skills

Technical Skills: Advanced in SQL,Proficient in Python,C++, PowerBI, Excel, GitHub
Languages: Fluent in English and Hindi
Certifications & Training: Cloud Computing (NPTEL), Marketing Analytics (NPTEL)