SHRIPATI VAIBHAV MAITREY

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Education

VIT Bhopal University   **Oct 2022 - Jul 2026**
Bachelor of Technology-Computer Science   *Bhopal,Madhya Pradesh*
CGPA: 8.66

East Point School   **Mar 2020- Jun 2021**
Class 12 CBSE   *New Delhi, Delhi*
Percentage : 89.9%

East Point School   **Mar 2018- Jun 2019**
Class 10 CBSE   *New Delhi, Delhi*
Percentage : 87.5%

Experience

Bharat Heavy Electricals Limited   **Oct 2024- Jan 2025**
Engineering Trainee   *New Delhi,Delhi*

- Developed Java and MySQL-based software solutions using OOP and UML, improving system efficiency by 20%.
- Partnered with industry mentors to digitize inventory tracking, reducing manual errors by 30%.
- Directed and executed project workflows, successfully managing 2+ end-to-end projects and delivering solutions on time, improving team productivity by 15%.

Projects

Shopify Sales Funnel & Customer Insights | *Power BI, SQL, Python*   **Jan 2025- Feb 2025**

- Built an interactive dashboard using Power BI with 7000+ Shopify sales records, enabling province- and city-level insights through filled maps, bubble maps, and performance bar charts.
- Curated Power BI dashboard featuring a KPI selector allowing real-time switching between Net Sales, Quantity, Total Customers, and Repeat Customers, enabling data-driven insights and identifying top-performing products. .
- Designed geo-visualizations and city-wise bar charts, revealing a 37% higher conversion rate in top-performing urban regions.

Banking Risk Analytics | *Power BI, SQL, Python*   **May 2024- Jun 2024**

- Created a loan risk dashboard from 5+ SQL tables (1,000+ records), enabling risk analysts to evaluate loan eligibility and reduce loan default rate predictions by 28%.
- Conducted bi-variate and multi-variate analysis using Python, identifying 4 key repayment indicators —enhancing credit risk modeling accuracy by 35%.
- Automated SQL-Power BI pipeline, reducing manual data updates and cutting report preparation time by 60%.

Social Media Addiction Analysis Dashboard | *Excel, Power Query*   **Jan 2024- Feb 2024**

- Analyzed 500+ responses, showing 67% screen time rise in ages 18–25 and top 3 addictive platforms.
- Designed an Excel dashboard with 5+ interactive charts and slicers, allowing real-time filtering by age, gender, time spent, and platform, improving data interpretation speed by 60% for viewers.
- Automated data visualization workflows using advanced Excel functions , reducing manual analysis time by 40% and enhancing report clarity.

Technical Skills

Programming: C++,Python Java
Data Analysis and Visualization: Pandas, NumPy, Microsoft Excel,Power BI
Databases : MySQL
Tools and Platforms: Jupyter Notebook, Google Sheets ,Linux, GitHub

Additional

- Spoken Languages: Fluent in English, Hindi
- Co-authored "Artificial General Intelligence-Based Drones for Climate Change," IGI Global (Book Chapter), 2025
- Certifications: NPTEL– Marketing Analytics, NPTEL– Cloud Computing, The Bits and Bytes of Computer Networking (Coursera), Python Essentials (VIT Bhopal)