

SHRIPATI VAIBHAV MAITREY

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Education

VIT Bhopal University

B.Tech in Computer Science and Engineering

CGPA: 8.54

Oct 2022 - Jul 2026

Bhopal, Madhya Pradesh

East Point School

Class 12 (CBSE)

Percentage: 89.9%

Mar 2020 – Jun 2021

New Delhi, Delhi

East Point School

Class 10 (CBSE)

Percentage: 87.5%

Mar 2018 – Jun 2019

New Delhi, Delhi

Relevant Coursework

- Data Structures
- Database Management
- Operating Systems
- OOP Principles
- Computer Networks
- Software Engineering

Experience

Bharat Heavy Electricals Limited

Engineering Trainee

Oct 2024- Jan 2025

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.
- Implemented dynamic KPI selector to switch between Net Sales, Quantity, Total Customers, and Repeat Customers, enhancing stakeholder decision-making flexibility by 40%.
- 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

Languages: C++, Python, Java

Data Analysis & Manipulation: Pandas, NumPy, Microsoft Excel, Power BI

Databases: MySQL

Tools & Platforms: Jupyter Notebook, Google Sheets, Linux, GitHub

Additional

- Languages: Fluent in English and Hindi
- Certifications: MongoDB Database Administrator(FacePrep), NPTEL– Marketing Analytics, AWS Solution Architect(Ethnus), NPTEL – Cloud Computing, The Bits and Bytes of Computer Networking (Coursera), Python Essentials (Vityarthi)
- Co-authored "Artificial General Intelligence-Based Drones for Climate Change," IGI Global (Book Chapter), 2025.