Nishtha Mehar

Bhopal, India
B.Tech in Computer Science and Engineering

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EDUCATION

• VIT Bhopal University
B.Tech — Computer Science and Engineering (CGPA 9.02/10)   2022–2026

• Delhi Public School, Bhopal   **2022**
CBSE — Class XII (PCM) 93.6%

• Delhi Public School, Bhopal   **2020**
CBSE — Class X 95.6%

EXPERIENCE

• Trainity
Data Analyst Intern   Jun 2024 – Aug 2024
– Conducted 8+ end-to-end analytics case studies across 6+ domains including marketing, hiring, finance, operations, media, and customer service using SQL and Excel
– Built 10+ dashboards and visualizations analyzing Instagram user behavior, call center volumes, IMDB movie ratings, car pricing, and loan approval patterns

SELECTED PROJECTS

• Employee Attrition Prediction – Google Advanced Data Analytics Capstone   **2025**
Python • Pandas • Seaborn • Scikit-learn • XGBoost • GridSearchCV
– Analyzed HR dataset of 15,000 employees to uncover key attrition drivers such as satisfaction level,workload,salary
– Built predictive models (Logistic Regression, Random Forest, XGBoost) achieving 89%+ accuracy and 0.91 AUC -ROC
– Tuned hyperparameters using GridSearchCV and evaluated with precision, recall, F1 -score to ensure robustness

• Swasthya Sanket   **2025**
Tableau • Excel
– Designed a Tableau dashboard visualizing NCD risk in 28 states, highlighting patterns in obesity, education, and fuel access.
– Simulated clean fuel policy impacts, projecting up to 12% NCD risk reduction in high-risk rural clusters,

• Real Time Hospital Resource Management System   *Winner SOLVIT*
Streamlit • ARIMA • XGBoost • Firebase   **2025**
– Engineered real-time ICU prediction dashboard reducing 22% wait time across 3 hospitals using ARIMA/XGBoost.
– Integrated Firebase-based intake forms, resource updates, and admin views with role-based routing.

• India Job Market Analysis Dashboard
Excel • SQL • Power BI   **2025**
– Created an interactive dashboard analyzing job trends, hiring patterns, and salary ranges across 100+ roles and 10+industries
– Identified training needs using demographic segmentation, leading to the rollout of 3 new skilling programs and a 10% boost in engagement.
– Rectified 1,000+ duplicate entries, enhancing data integrity by 15%.

TECHNICAL SKILLS

- **Programming Languages:** Python (NumPy, Pandas), R (basic), SQL,,Java
- **Data Analysis & Visualization:** Power BI, Tableau, Excel (PivotTables, VLOOKUP), EDA, Storytelling
- **Machine Learning:** Supervised Learning, Model Training, Random Forest, SVM, ARIMA, XGBoost
- **Cloud Platforms:** AWS (S3, EC2, RDS)
- **Technical Tools:** MySQL Workbench, Power Query, Jupyter Notebook, Google Sheets
- **Core Competencies:** Statistical analysis, algorithm design, and data structures, RDBMS

CERTIFICATIONS

- **Data Analytics Job Simulation** - Deloitte (2025)
- **Data Visualization: Empowering Business with Effective Insights** - TCS (2024)
- **Generative AI: Enhance your Data Analytics Career** — IBM(Coursera)
- **Data Analytics and Visualization Job Simulation** - Accenture (2024)

ACHIEVEMENTS

• Winner — SOLVIT Hackathon 2025 *Led 6-member team to 1st place with AI ICU dashboard adopted in 3 hospitals*

• Swasthya Sanket AIR 4 in CITLX Metaversity Hackathon