

Nishtha Mehar


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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

CBSE — Class XII (PCM) 93.6%

2022

- Delhi Public School, Bhopal

CBSE — Class X 95.6%

2020

EXPERIENCE

- Trainity

Jun 2024 – Aug 2024

Data Analyst Intern

- 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 – NCD Risk Analysis | [Live Dashboard](#)

2025

Tableau • Excel • LLM

- 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, and Gemini-based Hindi health assistant chatbot with 93% accuracy.

- Real Time Hospital Resource Management System

Winner SOLVIT 2025

Streamlit • ARIMA • XGBoost • Firebase

- 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 | [Live Dashboard](#)

2025

Excel • SQL • Power BI

- 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%, and automated reports using rolling metrics.

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
- **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
- **AIR 4** - CITLX Metaversity Hackathon 2025 Led 4-member team and built swasthya sanket