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 2022

*CBSE — Class XII (PCM) 93.6%*

# Delhi Public School, Bhopal 2020

*CBSE — Class X 95.6%*

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*](https://github.com/TrendSeeker18/Swasthya-Sanket/blob/main/NCD%20FINAL.twb) 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*](https://github.com/TrendSeeker18/India-Job-Market-Trend/blob/main/Job%20Trend.pbix) 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*