Sana Fatima

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# Professional Summary

Detail-oriented M.Tech graduate in Computer Science with hands-on experience in data science projects. Proficient in Python, machine learning, and data visualization tools such as Tableau and Power BI. Eager to contribute to real-world data challenges and business decision-making processes.

# Education

M.Tech in Computer Science, Jawaharlal Nehru Technological University, 2019 - 84%

B.Tech in Computer Science, Jawaharlal Nehru Technological University, 2015 - 64.57%

Intermediate (12th), Shri Chandra College, 2012 - 74.90%

SSC (10th), Dazzling High School, 2009 - 62.33%

# Certifications

Data Science Course - Completed

# Technical Skills

* Programming: Python, SQL
* Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn
* Machine Learning: Scikit-learn, TensorFlow
* Databases: MySQL, PostgreSQL
* Tools: Google Colab, Tableau, Google Looker Studio, Excel, Power BI
* Soft Skills: Problem-Solving, Analytical Thinking, Communication

### ****Data Science Projects****

**Hotel Booking Data Analysis**

* Analysed customer booking trends to improve hotel occupancy rates.
* Implemented data visualization techniques using Tableau.

**Yes Bank Stock Closing Price Prediction**

* Developed a machine learning model to predict stock prices.
* Utilized time-series forecasting techniques with Python.

**Cardiovascular Risk Prediction**

* Built a predictive model to assess cardiovascular disease risk.
* Used logistic regression and deep learning techniques.

**Netflix Movies and TV Shows (Clustering Project)**

* Performed clustering and recommendation analysis.
* Applied unsupervised learning techniques for content-based filtering.

**Breast Cancer Detection using ANN**

* Developed an ANN model for early breast cancer detection.
* Trained using medical imaging datasets with high accuracy.

**Sales Data Analysis using SQL**

* Analysed sales and customer data using complex SQL queries.
* Performed joins, aggregations, and subqueries to derive actionable insights.

**Sales Dashboard using Tableau**

* Built an interactive Tableau dashboard to visualize monthly sales and regional trends.
* Utilized calculated fields, filters, and dynamic parameters for real-time insights.

**Customer Insights Dashboard using Power BI**

* Developed a Power BI dashboard to explore customer demographics and purchase behaviour.
* Used DAX for creating calculated columns and measures, enabling strategic decisions.

# Academic Projects

* Secure Data Retrieval for Decentralized Disruption-Tolerant Military Networks
* Developed a secure method for retrieving sensitive data in military networks.
* Implemented cryptographic techniques to ensure secure access.
* Detecting Mobile Malicious Web Pages in Real Time
* Designed a real-time system for detecting mobile threats.
* Used machine learning classifiers for accurate threat identification.

# Professional Experience

Open to entry-level opportunities in Data Science and Analytics. Gained hands-on experience through academic and self-driven projects.

# Languages

* English
* Hindi
* Urdu

# Interests

* Reading Tech Blogs & Articles
* Interacting with people
* **Sketching or Creative Writing**
* Exploring cultures through travel
* Photography