

Tahura Sadaf Alam

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Portfolio: tahura-sadaf.github.io/tahura-portfolio | LinkedIn: linkedin.com/in/tahura-sadaf

Education

P.D.A College of Engineering
B.E., Electronics & Communication
CGPA: 8.03
Kalaburagi, Karnataka
2019 - 2023

Shree Guru P.U College of Engineering
Pre University
Percentage: 85%
Kalaburagi, Karnataka
2017 - 2019

Kendriya Vidyalaya Kalaburagi
SSLC
CGPA: 10
Kalaburagi, Karnataka
2007 - 2017

Experience

Tech Mahindra | Associate Software Engineer
Feb 2024 - Present

- Monitored and triaged databases (Oracle, MSSQL, Cassandra), analyzing performance metrics and ensuring availability, reliability, and SLA compliance.
- Generated weekly trend reports on incident patterns, downtime causes, and resource utilization to support proactive decision-making.
- Performed log analysis and root cause identification, presenting findings to stakeholders to minimize recurring issues.
- Collaborated with cross-functional teams to implement preventive measures, improving overall system uptime.
- Hands-on experience with SharePlex and GoldenGate replication, backup validation, and performance tuning.

Exposys Data Labs | Data Science Intern
January 2023 - February 2023

- Developed a customer segmentation model utilizing k-means clustering algorithm to identify distinct customer groups.
- Employed data visualization techniques to depict age and gender distributions, and further analyzed annual incomes and spending scores of the customers. Derived actionable insights to inform targeted marketing strategies and product offerings.

Skills

Data Analysis & Visualization:	Data Cleaning, EDA, Data Modeling, Reporting & Dashboards
Tools / Platforms:	MS Excel (Pivot Tables, VLOOKUP, Charts), Power BI, Jupyter Notebook, Azure (Fundamentals), Salesforce
Programming Languages:	Python (Pandas, NumPy), Java
Databases:	SQL (MySQL, Oracle, MSSQL, Cassandra), Database Monitoring & Triaging
Operating Systems:	Windows (Server Features & Roles), Linux
Soft Skills:	Analytical Thinking, Problem Solving, Adaptability, Communication

Projects

Hospitality Insights Dashboard (Power BI)

- Simulated a revenue management case study (OYO) and defined KPIs like Occupancy Rate, ADR, RevPAR, and revenue trends.
- Transformed and modeled data with Power Query; built business metrics using DAX.
- Developed an interactive Power BI dashboard and refined visuals based on stakeholder feedback.

Bangalore Property Price Prediction

- Undertook a project to develop a comprehensive solution to find accurate property price estimates in Bangalore.
- Project involved data cleaning, feature engineering, selecting and optimizing regression models, setting up a Flask server as a backend, and designing a user-friendly website for price predictions.

Automatic Timetable Generator

- Systematically applied Genetic Algorithm principles to optimize the timetable creation process.
- This involved creating a user-friendly interface and integrating AI capabilities to ensure an efficient scheduling experience.
- It significantly reduced the time required for course scheduling while ensuring optimal timetables for 500+ students.

Certifications

- Microsoft Certified : Azure Fundamentals (AZ-900)
- Google Data Analytics - Google through Coursera.
- Python for Everybody - University of Michigan through Coursera.
- Java and Web Essentials(Special Training Certificate) - Ethnus Codemithra.