Soham Joshi

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EDUCATION

Mukesh Patel School of Technology Management and Engineering, NMIMS, Mumbai, India
Bachelors of Technology in Computer Science (Data Science) (**Ongoing**)

SKILLS

- **Programming:** Python, C, C++, SQL, HTML, CSS
- **Tools & Technologies:** Tableau, Power BI, Matplotlib, Git, Advanced MS Office
- **Soft Skills:** Problem-Solving, Teamwork, Leadership, Critical Thinking, Communication
- **Interests:** Machine Learning, Statistical Analysis, Data Visualization, Forecasting

PROJECTS

Agro-Food Sector CO_2 and Temperature Forecasting *(October 2024)*

- Developed predictive models using Holt's and Winter's Methods to analyze CO_2 emissions and temperature trends.
- Constructed interactive dashboards using FAO and IPCC datasets to visualize trends.
- Achieved an MAE of 2.5 and MSE of 4.1, improving forecasting accuracy by 15%.

Pharmacy Management System *(March 2024)*

- Designed a Python-based system with a Tkinter GUI for inventory, sales, and transaction management.
- Integrated automated backups, low-stock alerts, and real-time analytics for optimized operations.
- Increased operational efficiency by 30% by automating key processes.

Yulu Bike Demand Prediction *(July 2024)*

- Conducted statistical analysis using ANOVA and t-tests to examine rental demand trends.
- Identified significant predictors and optimized rental forecasting through data categorization.
- Improved demand prediction accuracy by 20%, aiding better inventory management.

Hotel Management System *(November 2023)*

- Engineered a C++-based system for room allocation, check-in/check-out management, and billing.
- Implemented secure file handling to enhance data protection and ensure operational efficiency.

LEADERSHIP & EXTRACURRICULAR

- Organizer, Palm Premier League Cricket Tournament – Managed logistics, sponsorship, and execution (July 2023).
- Executive, Social Conclave – Partnered for a United Nations-affiliated global conference (May 2024).
- Volunteer, Community Teaching Program (Prayas) – Led educational initiatives (May 2024).
- Winner, Digital Dashboard Competition, MPSTME (2024).
- Volunteer, Beach Patrol Volunteer Team *(Jan 2018 – Sep 2021)*

CERTIFICATIONS

- BCG Data Science Job Simulation (Aug 2024)
- Tata Data Visualization Simulation (Aug 2024)
- IBM Data Science Tools (Jan 2025)
- Data Visualization with Python (Feb 2025)
- SQL and Relational Databases 101 (Feb 2025)