

Soham Joshi

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ABOUT ME:

I am a B.Tech CSE (Data Science) student passionate about solving real-world problems through predictive modeling, statistical analysis, and interactive dashboards. With hands-on experience in Python, C++, Tableau, and Power BI, I have completed projects showcasing expertise in forecasting, management systems, and data-driven insights. Beyond academics, I actively engage in leadership and community service, aiming to work on impactful projects that drive innovation and meaningful change.

EDUCATION:

Mukesh Patel School Of Technology Management & Engineering, Mumbai
B.Tech Computer Science (Data Science) (Ongoing)

SKILLS:

- **Technical Skills:** Predictive Modeling, Statistical Analysis, Data Visualization, Forecasting.
 - **Programming Languages:** Python, C, C++, SQL.
 - **Tools:** Tableau, Power BI, Matplotlib, Advanced MS Office.
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PROJECTS:

Agro-Food Sector CO2 and Temperature Forecasting (October 2024)

Developed a predictive model using Holt's and Winter's Methods to analyze CO2 emissions and temperature variations in the agro-food sector. Integrated interactive dashboards to visualize emission trends, utilizing datasets from FAO and IPCC. Validated the model with MAE and MSE metrics to ensure accuracy.

Tools: Python (Pandas, NumPy, Matplotlib), Tableau.

[GitHub Repository](#)

Pharmacy Management System (March 2024)

Designed a Python-based pharmacy management software with a Tkinter GUI to streamline inventory, sales, and transaction processing. Implemented features like low-stock alerts, data visualization for top-selling products, and automated backups for secure data storage.

Tools: Python, CSV, Tkinter.

[GitHub Repository](#)

Yulu Bike Demand Prediction (July 2024)

Analyzed the impact of weather and seasonal factors on Yulu bike demand using ANOVA and t-tests. Converted continuous variables into categorical for effective statistical analysis and identified significant predictors influencing rental patterns.

Tools: Python (Pandas, NumPy), Statistical Methods (ANOVA).

[GitHub Repository](#)

Hotel Management System (November 2023)

Developed a secure, user-friendly hotel management system using C++ and object-oriented programming principles. Features include room allocation, check-in/check-out management, and billing. Incorporated robust file handling and data security measures for streamlined operations.

Tools: C++.

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EXTRACURRICULAR:

- Participated in Digital Dashboard Competition 2024
 - Social Conclave (Executive), Global Conference (Partnered with United Nations)
 - Cultural Committee (Executive)
 - Organizer, Palm Premier League (PPL) Cricket Tournament (July 2023)
 - Volunteer, Beach Patrol Volunteer Team, The Sea Guardian Lifeguard (January 2018 - September 2021)
 - Volunteer, Community Teaching Program, Prayas (May 2024)
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CERTIFICATIONS:

- **BCG Data Science Job Simulation on Forage** (August 2024)
- **Mastercard Cybersecurity Virtual Experience Program on Forage** (July 2024)
- **JPMorgan Chase & Co. Excel Skills Job Simulation on Forage** (July 2024)
- **Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage** (August 2024)
- **IBM, Data Science Tools** (January 2025)