

Soham Joshi

Profile

Data Science student with hands-on experience in Python, C++, and data visualization using tools such as SAS, Power BI, and Tableau. Committed to machine learning and big data analytics, with a focus on solving real-world problems through data-driven insights. Actively expanding skills through online courses and practical projects, with a proven ability to collaborate in team environments. Eager to apply analytical expertise to contribute meaningfully to innovative data solutions.

Education

Higher Secondary (12th) Pace Junior Science College

JUNE 2021 — FEBRUARY 2023

BTECH CSDS (311), SVKM's NMIMS Mukesh Patel School of Technology Management & Engineering

JULY 2023 — JULY 2027

Projects

Hotel Management System (Mumbai)

DECEMBER 2023 — APRIL 2024

We applied the techniques learned in our course to develop and refine a hotel management system, ensuring its efficiency and effectiveness in optimizing operations and enhancing guest experiences.

- Utilized C++ programming language to create a user-friendly interface for managing customer check-ins, check-outs, and restaurant orders.
- Implemented features for reception, restaurant, and managerial functionalities.
- Successfully integrated different databases for managing room availability, customer records, and restaurant menu items.

Predicting Yulu Bike Demand (ANOVA)(Mumbai)

DECEMBER 2023 — APRIL 2024

Applied statistical techniques from our coursework to analyze the Yulu bike sharing data. This project aimed to enhance the precision in forecasting bike demand by identifying significant environmental influences.

- Employed Python to conduct statistical analyses using ANOVA, assessing the impact of varying weather conditions and seasons on bike rental frequency.
- Analysed continuous environmental data, converting these into categorical variables for precise ANOVA application.
- Performed T-tests to specifically determine which weather and seasonal conditions significantly influence bike demand.

Details

Mumbai, India
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Links

[Linkedin](#)

[Github](#)

[Tableau](#)

Skills

Python

Tableau

C++

SAS

AutoCAD

Statistical Analysis

Problem Solving

Leadership

Languages

English

Hindi

Marathi

Forecasting CO₂ Emissions & Temperature Trends in the Agro-Food Sector

July 2024 — November 2024

- Developed a predictive model using Winter's Method (Triple Exponential Smoothing) to forecast CO₂ emissions and temperature trends in the agro-food sector.
- Created an interactive Tableau dashboard for policymakers to visualize trends and forecast impacts.
- Achieved low MAE and MSE, highlighting model reliability for long-term forecasting.
- Provided actionable insights for sustainable practices to mitigate climate change.

Pharmacy Management System

July 2024 — November 2024

- Designed a comprehensive system using Python for streamlining pharmacy operations and optimizing inventory management.
- Integrated features like user authentication, role-based access control, and automated backups for secure operations.
- Visualized sales trends using Matplotlib and implemented modules for inventory statistics, prescription verification, and sales management.

Experience

Volunteer, Sea Guardian Lifeguard (Mumbai)

MAY 2024

The Sea Guardian Lifeguard's Beach Patrol Volunteer Team helped combine my passion for environmental conservation and desire to serve the community by helping in:

- Participating in community outreach programs to promote beach safety and environmental awareness.
- In collaboration with Prayas, taught children, Science, Maths and about beach safety and environmental conservation, fostering a sense of responsibility towards the ocean.

Certifications

BCG - Data Science Job Simulation

[FORAGE](#) | AUGUST 2024

- Conducted a customer churn analysis simulation using python, identifying key client data and outlining a strategic investigation approach.
- Developed a random forest model with an 85% accuracy rate in predicting churn.

Tata Group - Data Visualization: Job Simulation

[FORAGE](#) | AUGUST 2024

- Developed data visualizations for Tata Consultancy Services to support decision-making.
- Prepared questions for meetings with senior leadership to enhance client interactions.
- Created visuals to facilitate data analysis for executives.