

# 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, SQL, R, C, C++, HTML, CSS
- **Tools & Technologies:** Tableau, Power BI, Matplotlib, Git, Advanced MS Office
- **Soft Skills:** Problem-Solving, Teamwork, Leadership, Critical Thinking, Communication

## EXPERIENCE

### Data Analyst Intern — Bingoforge Pvt. Ltd (Mumbai) (May 2025 – Aug 2025)

- Worked on Odoo 18 ERP development and customization in the product department.
- Improved inventory and product management workflows through module enhancements.
- Supported testing and deployment of ERP features with the product team.

## PROJECTS

### CORE-SQL: In-Memory SQL Database System (C++) (April 2025)

- Developed feature-rich RDBMS in C++17 with full SQL support (DDL, DML, DCL), ACID transactions.
- Implemented database components: custom SQL parser, query execution, storage engine, and transaction manager.
- Implemented advanced features: JOINs, subqueries, B-tree indexing, views, and multi-user privilege management.

### Agro-Food Sector CO<sub>2</sub> and Temperature Forecasting (October 2024)

- Developed predictive models using Holt's and Winter's Methods to analyze CO<sub>2</sub> emissions and temperature trends.
- Constructed interactive dashboards using FAO and IPCC datasets to visualize trends.
- Achieved an MAE of 0.15 and MSE of 0.03, improving forecasting accuracy.

### 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.
- Integrated RABC (Role-Based Access Control).

## LEADERSHIP & EXTRACURRICULAR

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

## CERTIFICATIONS

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