

Soham Bose

Aspiring Data Scientist / Machine Learning / Data Analytics / Data Visualization
Integrated M.Tech CSE (Computational and Data Science)
Vellore Institute of Technology

+91 60269 87923
sohambose245@gmail.com

github.com/sohxm-bose

linkedin.com/in/soham-bose

PROFESSIONAL SUMMARY

Aspiring Data Scientist with experience in machine learning, data wrangling, data mining, statistical analysis, and data visualization. Proficient in Python, SQL, Scikit-learn, Tableau, and Power BI for building predictive models and communicating insights through effective data storytelling.

EDUCATION

Vellore Institute of Technology 2023–2028
Integrated M.Tech in Computer Science (Computational and Data Science) CGPA: 8.50

EXPERIENCE

Research Extern – Extern June 2026 – Present

ROI Sponsorship Analysis – NY Racing Team

- Worked as a Data Scientist to analyze NASCAR sponsorship data using statistical analysis and data mining techniques.
- Performed data wrangling, feature engineering, and exploratory data analysis on race performance, media exposure, and sponsorship datasets.
- Created data visualizations and business reports, using data storytelling to communicate actionable sponsorship insights.

Summer Intern – Indian Oil Corporation Limited May 2026 – June 2026

- Developed a full-stack Asset Management System using **React.js**, **NestJS**, **PostgreSQL**, **Prisma ORM**, and **JWT Authentication**.
- Automated inventory tracking, asset allocation, maintenance workflows, and role-based access control for enterprise asset management.

PROJECTS

Movie Recommendation System using Collaborative Filtering

- Built a recommendation system using collaborative filtering after performing data wrangling and exploratory data analysis on the MovieLens dataset.
- Applied data mining techniques to generate personalized recommendations and visualized model performance using Matplotlib.

Time Series Forecasting using ARIMA Models

- Forecasted unemployment trends using ARIMA, SARIMA, ARIMAX, and SARIMAX models.
- Performed data wrangling, statistical testing, feature preparation, and data visualization to evaluate forecasting performance.

SQL Sales Analytics Dashboard

- Performed SQL-based data mining using joins, aggregations, subqueries, and window functions to analyze customer behavior and revenue trends.
- Created reports and dashboards that supported effective data storytelling and business decision-making.

TECHNICAL SKILLS

Languages: Python, SQL, Java, C, C++

Frameworks: React.js, NestJS, Tailwind CSS, Prisma ORM

Databases: PostgreSQL, MySQL

Libraries: Pandas, NumPy, Scikit-learn, Statsmodels, NLTK

Visualization: Tableau, Power BI, Matplotlib, Excel

Tools: Git, Linux

Concepts: Data Science, Machine Learning, Data Wrangling, Data Mining, Exploratory Data Analysis, Statistical Analysis, Feature Engineering, Data Visualization, Data Storytelling, Forecasting, Recommendation Systems, NLP

ACHIEVEMENTS & CERTIFICATIONS

- Solved 100+ Data Structures and Algorithms problems on LeetCode.
- NPTEL Cloud Computing – Silver Elite.
- Coursera – Introduction to Self-Driving Cars.