

Mayank Singh

+91 6388482337 | mst29310@gmail.com | Prayagraj

Summary

Detail-oriented and analytical Computer Science student dedicated to transforming raw data into valuable insights. Proficient in Python, SQL, and data analysis, with a background in developing practical tools such as management systems and trading backtesters. Enthusiastic about fostering data-driven decisions and making contributions to impactful analytical teams.

Skills

- **Programming Languages:** Python, SQL, HTML5, CSS3, JavaScript
- **Frameworks & Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Flask
- **Tools & Technologies:** Jupyter Notebook, SQLite, Git/GitHub, Excel
- **Concepts & Domain:** Data Acquisition & Processing, Data Analysis & Visualization, Backtesting
- **Soft Skills & Management:** Analytical Thinking, Project Management, Adaptive Leadership, Communication

Education

Pranveer Singh Institute of Technology | Kanpur, Uttar Pradesh
Bachelors of Technology | 08/2026
75 % (Present)

Allahabad Public School & College | Prayagraj, Uttar Pradesh
Intermediate | 07/2022
74.8 %

Allahabad Public School & College | Prayagraj, Uttar Pradesh
Matriculation | 06/2020
88 %

Projects

- **Implemented Bollinger Backtesting Model - [GitHub](#)**
 - Developed and implemented a Bollinger Bands Backtesting model on historical stock data using Python.
 - Integrated a custom buy/sell strategy.
 - Visualized trading signals, price trends, and Bollinger Bands using matplotlib/seaborn for clearer analysis and decision-making.
- **Contact Management System - [GitHub](#)**
 - Built a modular CLI-based application to manage contacts with role-based authentication (Admin/Guest). Enabled CRUD operations, search, and CSV export using Python and SQLite.
- **Expenselytics - [GitHub](#)**
 - Developed a finance management tool using Python, Tkinter, and SQLite, enabling users to track expenses.
 - Implemented data visualization charts for a better user experience.

Certifications

- Python Programming
- SQL Bootcamp

Languages

English, Hindi