

# SAUMYA SINGH

18B Jarauli Phase-1, Kanpur 208027

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## Education

**Pranveer Singh Institute Of Technology**

**Dec. 2022 – Jul 2026**

*Bachelor of Technology in Artificial Intelligence and Data Science -CGPA-7.2*

*Kanpur, UP*

**Karamdevi Memorial Academy, Kanpur**

**2022**

*12th Grade, C.B.S.E --68%*

**U.P. Kirana Seva Samiti Balika Vidyalaya, Kanpur**

**2020**

*10th Grade, C.B.S.E --76.5%*

## Relevant Coursework

- Data Structures
- Database Management
- Operating System
- Product Management
- Algorithms Analysis
- Object Oriented Design
- SQL (Oracle)

## Projects

**Real-Time Financial KPI Dashboard (Ongoing)**

**Jun 2025 – Present**

*Next.js 15, React 18, TypeScript, Tailwind CSS, OpenAI API*

- Developing a real-time dashboard using **React.js** and **REST APIs** to monitor KPIs like Revenue and Net Income across 4 recent fiscal quarters, targeting **90%+ data accuracy**.
- Designing reusable, responsive components with **Tailwind CSS** to reduce UI development time by **40%**.
- Integrating **Recharts** and dropdown filters to enable **70% faster** financial insights and interactive data exploration.

**Rock Vs Mine Prediction using Machine Learning**

**Mar 2025**

*Python, Google Colab, Pandas, NumPy, scikit-learn, Kaggle*

- Developed a sonar signal classifier achieving **75–80%** accuracy on **200+** labeled samples.
- Applied Pandas and NumPy for data cleaning and faster computations, improving speed by **15%**.
- Processed Kaggle dataset in Jupyter Notebook, enhancing insights and result interpretation by **20%**.

**Real-time Code Editor**

**Nov 2024 - Dec 2024**

*React, Node.js, Socket.io, Express.js*

- Created a real-time collaborative code editor with live synchronization, reducing project turnaround time by **20%**
- Improved developer collaboration by streamlining real-time synchronization using WebSocket connections with Socket.io and cutting project completion time by **20%**
- Enabled simultaneous file editing and live updates to boost team productivity by **30%** and minimize merge conflicts.

## Technical Skills

**Languages:** C/C++, SQL, JAVA

**Technologies/Frameworks:** ReactJS, NodeJS, MySQL

**Developer Tools:** Git, Oracle, Visual Studio Code, Colab

**Cloud/DevOps:** Basic Exposure to AWS Cloud Environment

**Other Skills:** Object-Oriented Programming (OOP), Algorithmic thinking, Software architecture design (including scalable architecture and design patterns)

## Achievements & Certifications

- Earned **AWS Cloud Practitioner** Certification.
- Cleared **Round 1 of TCS CodeVita (Season 12)**, a global-level coding competition conducted by Tata Consultancy Services
- Completed the **Deloitte Technology Virtual Internship** on Forage, gaining hands-on experience in software development, system design, and technology consulting.

## Leadership / Extracurricular

**Google Developer Student Club, PSIT — Social Media Lead**

**Oct 2024 – Present**

*Pranveer Singh Institute of Technology*

- \* Leading a 5-member social media team to manage event promotions and weekly content, resulting in a 45% increase in overall post reach and impressions.
- \* Collaborating with design and PR teams to execute 10+ outreach campaigns, boosting event participation by 35% across the semester.