

Samridh Rastogi

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Education

Vellore Institute of Technology, Bhopal

Oct 2022 - Jun 2026

Bachelors in Engineering in Computer Science.

Bhopal, India

- Specialisation in Artificial Intelligence and machine learning
- **Cumulative GPA:** 8.07/10.0

The Indian Heights School

Apr 2021 - May 2022

- Class XII - CBSE
- **Percentage:** 76%

New Delhi, India

The Indian Heights School

Apr 2019 - May 2020

- Class X - CBSE
- **Percentage:** 92.6%

New Delhi, India

Experience

Sparrow Risk Management Pvt. Ltd. | [Completion Certificate](#)

Dec 2024 - Jan 2025

Software development Intern

Gurugram, Haryana, India

- Contributed to the backend development and system maintenance of IndustryOS, a patented enterprise software serving over 400 enterprise clients, ensuring robust performance and high availability.
- Integrated LangChain with pre-trained LLMs to automate code generation for IndustryOS software, enabling rapid prototyping and reducing development cycles by 25% and improving code maintainability.
- Streamlined backend processes, enhancing software reliability by 15% and improving scalability to support seamless integration of 5+ new features.
- Developed and optimised API endpoints, processing over 1,000 requests daily with less than 0.5% error rate.

Projects

Data Analysis & Business Intelligence | [Github](#)

Aug 2025 - Sept 2025

- Utilised **SQL** to query and extract key sales and inventory data from a Bike Store database, enabling in-depth performance analysis.
- Developed a dynamic dashboard in **Tableau** to visualise business performance, including revenue trends, top-selling products, and sales by store.
- Analyzed and cleaned raw data using **Excel**, then connected it to a relational database with **SQL** to provide a robust dataset for reporting.
- Delivered key insights on sales patterns and product performance by combining data from **Excel** and **SQL** into a comprehensive **Tableau** report, supporting business decisions.

PdfSage - Intelligent Document Q&A Chatbot | [Github](#)

Dec 2024 - Jan 2025

- Engineered a Retrieval-Augmented Generation (RAG) system to efficiently extract and synthesise relevant information from multi-page documents, improving data retrieval accuracy by 25%.
- Integrated LangChain framework to bolster Large Language Model (LLM) capabilities, facilitating advanced document understanding and processing for over 20 document categories.
- Successfully processed and analyzed PDFs up to 500 pages in length, providing answers with an average response time of under 5 seconds.

Certifications

Privacy and Security in Online Social Media | [Link to Certificate](#)

January 2024 - April 2024

NPTEL

Applied Machine Learning in Python | [Link to Certificate](#)

December 2023 - January 2024

University of Michigan

Technical Skills

Programming Languages: Python, R Programming, Java, MySQL, MongoDB, PostgreSQL

Tools and Framework: Tableau, Power BI, Pandas, Numpy, Matplotlib, PyTorch, Excel, Langchain, Neo4j, Apache Spark, DataBricks

Extracurricular

- State-Level Tennis Player – Competed at the state level, demonstrating exceptional discipline, perseverance, and teamwork under pressure.
- 3rd Place - AI-Based Hackathon – Secured third position in a competitive college hackathon by developing a AI based Football Prediction App showcasing advanced AI/ML application.
- Winner – District-Level Science Fair – Awarded first place and a cash prize of ₹10,000 for an innovative project, highlighting technical expertise and creativity
- Discipline Committee Member, Advitya Sports Fest (2024, 2025) – Contributed to the successful execution and orderly proceedings of a major collegiate sports festival, managing event logistics for 500+ attendees and ensuring seamless operations.