

# Saurav Ghoshal

Faridabad, Haryana- 121004

+91-9953654129 ✉ sauravghoshal26@gmail.com 📄 <https://github.com/sauravghoshal26> 🌐 <https://github.com/sauravghoshal26>

## EDUCATION

### Vellore Institute Of Technology

Bachelor of Technology in Computer Science Engineering; **(8.96/10)**

Specialization: Artificial Intelligence and Machine Learning

Bhopal, M.P.

July 2021-Ongoing

### Tagore Academy Public School

Higher Secondary Certificate (HSC); **(87.4%)**

Faridabad, Haryana

July 2020

### Bohra Public School

Secondary School Certificate (SSC); **(90.2%)**

Faridabad, Haryana

May 2018

## SKILLS SUMMARY

*Programming Languages:* C++, Python, SQL

*Databases & Cloud:* MySQL, Snowflake, Amazon Web Services (AWS) – EC2, S3, Lambda, QuickSight, Athena

*Big Data & Streaming:* Apache Kafka, Hadoop

*Data Analytics & Visualization:* Tableau, Qlik Sense, Power BI, Matplotlib, Seaborn

*Machine Learning & AI:* TensorFlow, Pytorch, Scikit-learn, NLP, Computer Vision (OpenCV, YOLO), Predictive Analytics, Time Series Forecasting

*Data Handling & Processing:* Pandas, NumPy, ETL Pipelines

## EXPERIENCE

### Vision Netsoft Pvt Ltd

Nov 2023 - Feb 2024

*Data Science Intern*

Faridabad, Haryana

- Built **interactive dashboards** in Tableau to track service trends and customer behavior, identifying key areas for growth and service improvement while employing statistical analysis **enabling data-driven decision-making**.
- Implemented **predictive analytics models** to forecast customer demand, optimizing resource allocation and enhancing operational efficiency.

## PROJECTS

### Self-Directed Project

*Cryptocurrency Trade Data Platform*

September, 2024

- Developed a platform to **monitor cryptocurrency trade data in real time**, providing insights into market trends and enabling **automated trading decisions**.
- Integrated **Apache Kafka and AWS QuickSight** to enable **real-time data streaming, visualization, and predictive analytics**. Utilized AWS Athena for querying large datasets, reducing data retrieval.
- Delivered an **automated trading analytics feature**, enhancing decision-making accuracy by leveraging **predictive analytics models** for market forecasts.

### Self-Directed Project

*Enhanced AI Powered Web Search*

February, 2024

- Developed an AI-driven web search system leveraging **SERP API and DeepSeek API** to fetch and analyze search results.
- Automated PDF and DOCX report** generation from search results using **ReportLab and python-docx**, streamlining information retrieval.
- Optimized API usage with request tracking mechanisms, ensuring **efficient query management** and **API rate-limit adherence**.

## CERTIFICATIONS & ACCOMPLISHMENTS

- AWS Certified Solution Architect:** Validated **Cloud Architecture and deployment strategies**, showcasing expertise in data streaming, predictive analytics and **scalable cloud integration with AWS services**.
- Research Collaboration:** Co-authored a research paper titled "**A Study on Machine Learning Techniques for Rainfall Prediction in the Indian Agricultural Landscape**."

## LEADERSHIP & VOLUNTEER EXPERIENCE

*Technical Assistant – D2C Igniters Club, VIT Bhopal*

June 2023 – May 2024

- Led **technical presentations & documentation**, supporting advisory meetings that secured **₹100K** in funding.
- Organized **10+ technology events**, including **hackathons & workshops**, impacting **200+ students**.
- Mentored a **20+ member team**, enhancing their technical and problem-solving skills.

*Campus Ambassador – Internshala*

Aug 2022 – Sep 2022

Spearheaded **outreach campaigns**, engaging **1,500+ students**, increasing platform registrations by **20%**.