Shreyansh Goyal

[Portfolio]

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EXPERIENCE

•Famark   *Jun 2023 – Jul 2023*

Software Developer Intern   Remote

- Contributed to the development of an e-commerce platform, designing and implementing **30% of the frontend interface** to enhance cross-device **usability and performance**.
- Integrated **JWT-based authentication and access control** using **Node.js** and **Express.js**, securing **5,000+ registered users**.
- Improved API throughput by **25%** by optimizing **cloud database transactions** and refining query logic for faster data delivery.

•Indian Institute of Technology (IIT) Kharagpur — Senflex Team   *Mar 2024 – Apr 2024*

AI/ML and Web Development Intern   Remote

- Collaborated with the **Senflex team** on a real-time **sensor intelligence platform** focused on smart IoT integration and anomaly analysis.
- Implemented machine learning models for **sensor data classification** and **anomaly detection** using **Python** and **Scikit-learn**.
- Designed and deployed a responsive **web dashboard** using **Flask, JavaScript, and HTML/CSS** to visualize live sensor data streams.
- Enhanced the data pipeline's processing efficiency by **20%** through backend optimizations and structured input preprocessing.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Python, C++
Technologies/Frameworks: React.js, Node.js, Express.js, Flask, TensorFlow, PyTorch, Scikit-learn, LangChain, OpenAI API
Tools Platforms: Git, GitHub, Postman, Jupyter Notebook, VSCode, Streamlit
Databases Storage: MongoDB, MySQL, Firebase, Vector DBs (Pinecone, FAISS)
Core Interests: GenAI, LLMs, RAG Systems, Machine Learning, Data Science, Full-Stack Development, DSA

PERSONAL PROJECTS

•Smart India Hackathon — Aludent (RAG-Based Alumni Assistant)   *Feb 2025*

Tools & Technologies: Python, LangChain, OpenAI, React.js, Node.js, MongoDB, Express.js

- Built a full-stack **GenAI-powered student-alumni platform** selected for the **finals of SIH 2025**, integrating **RAG (Retrieval-Augmented Generation)** to provide intelligent alumni matching and guidance.
- Developed a scalable pipeline using **LangChain + OpenAI + Vector DB (FAISS)** for querying alumni profiles and interaction history.
- Led frontend development using **React.js** and engineered secure backend APIs with **Node.js/Express** for alumni verification and job postings.

•Fake UPI Transaction Detection System   *April 2024*

Tools & Technologies: Python, Scikit-learn, XGBoost, Flask, Pandas

- Developed an **AI-based fraud detection model** to identify fake UPI transactions using **behavioral patterns and transaction metadata**.
- Achieved **94% accuracy** with **Random Forest and XGBoost** through advanced feature engineering and hyperparameter optimization.
- Built a lightweight **Flask web app** for real-time prediction and transaction verification interface.

•Intellii — GenAI-Powered Mock Interview Platform   *Jan 2025*

Tools & Technologies: Python, OpenAI API, LangChain, Streamlit

- Created a **mock interview platform** using **LLMs + LangChain** to simulate both technical and behavioral interview rounds.
- Implemented dynamic question generation, feedback analysis, and scoring based on candidate inputs using **OpenAI's GPT-4**.
- Deployed with **Streamlit** for a clean and interactive user experience, used by peers for placement preparation.

EDUCATION

•Indian Institute of Technology, Madras   *CGPA: 7.2*

Bachelor of Science in Data Science and Applications   2022 - Present

•Institute of Technology, GGV, Bilaspur   *CGPA: 7.20*

Bachelor of Technology in Information Technology   11/2021 - 04/2025

POSITIONS OF RESPONSIBILITY

•Placement Coordinator Placement Cell, GGV Bilaspur   *July '23 to May '25*

- **Strategic Partnerships:** Established relationships with top recruiters, resulting in a **40% increase in internship opportunities** for students.
- **Drive Management:** Coordinated **200+ students** and **50+ recruiters** in placement drives, ensuring smooth logistics and communication.
- **Career Development:** Organized workshops and mock interviews, contributing to a **20% increase in placement success rates**.

•Senior Executive Member NEXUS-ASIC   *March 2021 – March 2025*

- Orchestrated **10+ large-scale events**, including **workshops, technical summits, and the Annual Alumni Meet**, ensuring flawless execution and high engagement.
- Spearheaded **alumni-student networking initiatives**, facilitating **meaningful mentorships** and fostering professional growth.
- Enhanced organizational outreach by leveraging **strategic communication and public speaking skills**, driving impactful engagement.

ACHIEVEMENTS

- Finalist in **Smart India Hackathon (SIH) 2024**, competing among **top 5% teams** nationwide.
- Solved **250+ data structures and algorithms problems** across multiple platforms, showcasing analytical and optimization skills.
- Competed in **10+ hackathons and coding challenges**, securing top positions in several, demonstrating a **consistent winning streak**.