

# SHIVAM SINHA

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📜 Certificates

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🐙 Github

🌐 LinkedIn

🌐 Portfolio

## Education

- **Delhi Technological University** – *B.Tech in Software Engineering* – **CGPA: 9.48/10** Nov 2022 – Present
- **Ch. Baldev Model School, New Delhi** – *Class XII (CBSE)* — **Percentage: 96%** 2021 – 2022
- **DAV Public School, Sirmaur, HP** – *Class X (CBSE)* — **Percentage: 96.4%** 2019 – 2020

## Technical Skills

- **Programming Languages:** C++, Python.
- **Problem Solving Skills:** Leetcode Contest Rating – **1696**, Solved **900+** DSA problems across [LeetCode](#), [Code360](#), [GFG](#), [Codeforces](#). Proficient with Arrays, Linked Lists, Trees, Graphs, Stacks, Queues, Tries, Heaps & DP.
- **Frontend Development:** HTML, CSS, JavaScript, Tailwind CSS, React.
- **Machine Learning & AI:** Machine Learning, Deep Learning, Natural Language Processing, BERT, Generative-AI.
- **Developer Tools & Frameworks:** FastAPI, VS Code, Git, GitHub, Docker, PyCharm, StarUML.
- **Core CS Concepts:** Data Structures & Algorithms, Object-Oriented Programming, OS, DBMS, SQL, CN.
- **Libraries & Tools:** Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, TensorFlow, Spacy, NLTK.

## Experience

### BIRA-91

2nd June 2025 – Present

*Information System Intern*

*New Delhi*

- Worked on **Master Data Management (MDM)** for supply chain entities including **Vendor Master**, **Material Master**, and **Customer Master**, ensuring consistency, accuracy, and usability across systems.
- Gained hands-on experience with the **SAP ERP platform** to manage and streamline critical business data.
- Converted unstructured data into clean, structured formats, for further data engineering and Dash-boarding.

## Projects

### SmartLog Classifier AI | [Github](#) | [Video Demo](#)

June 2025

*Tech Stack: Python, NLP, FastAPI, React.js, Tailwind CSS, Vite, BERT, Gen-AI, Regex, Joblib, Git, Docker*

- Engineered a **3-way hybrid** log classification system using **Regex**, **BERT**, and **GenAI** (Gemini 2.5 Flash), processing **2,500+** training logs sourced from **6 different systems**, classifying into **9 different functional categories**.
- Built a dynamic frontend with **React.js**, **Vite**, and **Tailwind CSS**, featuring a **dashboard** to process logs, visualize statistics via **pie charts** and **bar graph**, and enable **categorized output downloads**.
- Developed a backend with **FastAPI**, Leveraged **Sentence Transformers** to generate **384-dimensional embeddings** for each log message, Leveraged **DBSCAN** Algorithm to classify logs into **50+ Unsupervised Clusters**.
- Streamlined development with **Docker** and Leveraged **Git** for version control, cutting setup time by **85%**.

### JobMatch Pro | [Github](#) | [Live Demo](#) | [Video Demo](#)

Jan 2025

*Tech Stack: Python, FastAPI, HTML, CSS, JS, Scikit-learn, NLP, TensorFlow, Regex, WordCloud, Docker, Git.*

- Built an **Interactive** dashboard with **HTML**, **CSS**, and **JavaScript**, enabling users to upload resumes, view predictions with confidence scores, and track recent predictions.
- Trained on **1,000** resumes across **25** job roles, leveraging **TF-IDF** to create a **[1000x2000]** word feature space, achieving **90% accuracy** using models like, **Logistic Regression**, **Random Forest** and **Neural Network**.
- Preprocessed resumes with **Regex** and extracted **100+** keywords per category leveraging **WordCloud**.
- Integrated frontend with backend using **FastAPI**, containerized the app with **Docker** ensuring deployment in under **5-minutes** across multiple platforms with **Git** for version control.

## Achievements & Certifications

- **JpMorgan Code for Good Mumbai, Runner Up** | [Certificate](#) June 2025  
Were among the **Top 2** best teams in our Problem statement among **30+** national finalists teams, shortlisted from **50,000+** applicants, for developing a collaboration platform to streamline NGO-led teaching in government schools.
- **16th British Parliamentary Debate, IIT-Bombay** | [Certificate](#) October, 2023  
Have been a **Quarterfinalist** and **Adjudicator** at 16th BPD, IIT-Bombay. Selected among **100+** participants from top institutions across India for critical evaluation and judging of **national-level debates**.
- **Supervised & Advanced ML Courses, Standard University** | [Certificate1](#) | [Certificate2](#) June-July, 2024  
Accomplished **67+** hours of Stanford University-authorized modules on Supervised & Advanced Machine Learning via Coursera.