

# Samridhi Sharma

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## SKILLS

**Programming:** Python, C++

**AI & ML:** Machine Learning, Neural Networks, NLP Basics, Classification Algorithms (KNN, Decision Trees, etc.)

**Concepts:** Data Preprocessing, Feature Engineering, Model Evaluation, Data Visualization.

**Libraries:** NumPy, Pandas, Matplotlib, TensorFlow, Keras

**Automation & Web:** Automation Anywhere, BluePrism, N8N, HTML, CSS.

**Soft Skill:** Problem-Solving, Team Collaboration, Project Management, Adaptability, Creativity.

## PROJECTS

### Resume Screening + Automated Email System | [GitHub](#)

Dec'25

- Designed and enhanced an AI-based resume screening system to automate candidate shortlisting.
- Built a job-description matching engine using TF-IDF vectorization and cosine similarity.
- Developed a ranking mechanism to score and shortlist candidates based on skill relevance.
- Reduced simulated manual screening effort by ~70% through intelligent automation.
- Designed an optional Streamlit dashboard for HR visualization and candidate ranking insights.
- Tech Stack:** Python, NLP, TF-IDF, Pandas, n8n / Automation Anywhere, SMTP, Streamlit.

### Intelligent Invoice Processing & RPA Automation System | [Github](#)

Dec'25

- Built an OCR-based invoice data extraction system to computerized financial document processing).
- Applied rule-based validation and anomaly detection for financial accuracy checks.
- Automated data entry into Excel/Google Sheets using Automation Anywhere/Blue Prism bots.
- Developed automated email notification workflow for processed invoices.
- Reduced manual invoice processing time by ~60% in simulated enterprise workflow.
- Tech Stack:** Python, Tesseract OCR, OpenCV, Pandas, Regular Expressions, Automation Anywhere / Blue Prism, Excel API.

### Fraud Detection & Real-Time Alert Automation System | [Github](#)

Nov'25

- Developed a supervised machine learning model for detecting fraudulent transactions.
- Achieved AUC score of 0.90+ using ensemble-based algorithms.
- Integrated n8n workflow to trigger mechanized email alerts for high-risk transactions.
- Implemented automated logging and reporting system for fraud monitoring.
- Built a Streamlit dashboard for transaction insights and risk visualization.
- Tech Stack:** Python, Scikit-learn, XGBoost / Random Forest, Pandas, NumPy, n8n, REST API, Streamlit

## INTERNSHIPS

### Artificial Neural Networks Intern – Coding Juniors | [Certificate](#)

Dec'25

- Designed and implemented neural network models using deep learning frameworks.
- Analyzed real-world datasets to train neural network models and improve prediction performance.
- Tuned and evaluated neural network models using validation metrics.

### Data Analyst Intern – Unstop Tech Fair 2025 (Organised by Geeks Kepler) | [Certificate](#)

Jan'25

- Collected, cleaned, and analyzed large datasets to extract actionable insights.
- Created dashboards and visualizations to support decision-making.
- Assisted in reporting and presenting findings to stakeholder.

## CERTIFICATES

- ChatGPT-4 Prompt Engineering: ChatGPT, Generative AI & LLM | [Certificate](#) Aug'25
- Computational Theory: Language Principle & Finite Automata Theory | [Certificate](#) Aug'25
- Essentials Automation Certification | [Certificate](#) Dec'25

## EDUCATION

### Lovely Professional University

Bachelor of Technology

Computer Science and Engineering

Phagwara, Punjab

Aug' 23 – Present

### Bharti Vidya Mandir Higher Secondary School

Intermediate

Kishtwar, J&K

Mar' 22 – May' 23

