

# Himanshu Srivastava

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## SKILLS

- Languages:** JavaScript, C, C++, Python, Java, SQL, HTML/CSS
- Frameworks, Tools:** Flask, FastAPI, Streamlit, Git, GitHub, Docker, Jupyter Notebook, PyQt
- Integrations:** Supabase, Razorpay API, Twilio, Gmail API, ReportLab, Cloudflare Turnstile, Gunicorn
- AI/ML:** Machine Learning, NLP (SBERT, spaCy), Anomaly Detection (Isolation Forest, LOF, DBSCAN), GenAI (LangGraph, LangChain), Speech Recognition, LLM, RAG
- Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Soft Skills:** Analytical Problem-Solving, Cross-Functional Collaboration, Clear Communication, Adaptability, Teamwork

## INTERNSHIPS

**Machine Learning Intern – FlyRank AI** | [Certificate](#) July – Sep 2026

**Tech Stack:** React, Python, Pandas, Scikit-learn, DuckDB, Machine Learning

- Analyzed 79M+ rows of search-performance data for content decline patterns.
- Built and validated a Random Forest content-decline prediction model, achieving 0.4131 Average Precision.
- Created a ranked content-action playbook and deployed the research paper using GitHub Pages.

**AI Intern – Infosys Springboard** | [Certificate](#) Feb – Apr 2026

**Tech Stack:** Voice AI, Flask, APIs, Docker, Cloud Deployment

- Built an AI voice assistant enabling hands-free email and messaging via Gmail API, WhatsApp (Twilio), and Telegram.
- Added email summarization and secure voice-based actions, deployed with Flask, SQLite, and Docker.
- Included an Admin Dashboard for activity monitoring, role-based access control, and system analytics.

## PROJECTS

**Smriti Industries Web Platform** | [GitHub](#) | [Live](#) May – July 2026

**Tech Stack:** Python (Flask), Supabase (PostgreSQL & Storage), Razorpay API, Cloudflare Turnstile, ReportLab PDF Engine, Gunicorn, HTML5/CSS3/JavaScript

- Built a full-stack CRM portal with role-based auth, lead tracking, staff attendance, and task management — plus a ReportLab PDF engine for branded GST quotations.
- Integrated Razorpay Checkout API for secure training-seat bookings with HMAC signature verification and Supabase Cloud Storage for document management.
- Implemented defense-in-depth security: Cloudflare Turnstile CAPTCHA, IP-based login rate-limiting, XSS/SQLi input sanitization, and OWASP security headers.

**AnomalyX - Credit Card Fraud Detection | Unsupervised ML** | [GitHub](#) | [Live](#) Apr – May 2026

**Tech Stack:** Python, Scikit-learn, Isolation Forest, Local Outlier Factor (LOF), DBSCAN, Pandas

- Built an unsupervised fraud detection model using Isolation Forest, LOF, and DBSCAN.
- Performed data preprocessing, anomaly detection, and comparative evaluation using ROC-AUC, Precision, Recall, and F1-Score.
- Visualized model performance and optimized fraud detection through threshold analysis and algorithm comparison.

## CERTIFICATES

- Agentic AI Hackathon 2026 | Ksolves | [Certificate](#) Apr'2026
- Winter Certification Program | CSRBOX X IBM – Applied AI | [Certificate](#) Dec'2025
- AI Primer Certification | Infosys Springboard | [Certificate](#) Dec'2025
- 24-Hour CTF Challenge (Concoction '24) | Collaboration with upGrad | [Certificate](#) Apr'2024
- AI & ML Workshop | Tryst 2024 (IIT Delhi) | [Certificate](#) Mar'2024

## TRAINING

**Summer Training in Data Structure and Algorithms | LPU** | [Certificate](#) Jun'25-Jul'25

- Strengthened problem-solving skills through implementation of core data structures in C++.
- Focused on time complexity analysis and algorithm optimization techniques.

## EDUCATION

**Lovely Professional University – Phagwara, Punjab** Aug'2023 – Present

Bachelor of Technology – Computer Science and Engineering with AI & ML | CGPA: 8.01

**Good Samaritan School, New Delhi** 2022

XII – CBSE | 86%

**Good Samaritan School, New Delhi** 2020

X – CBSE | 89%