

# Shivam Shrivastava

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## EDUCATION

### Vellore Institute of Technology

Bachelor of Technology in Computer Science, spec in Health Informatics - 8.06/10

Bhopal, MP

Aug. 2022 – May 2026

### Aster Public School

Class 12th — 93.2%

Greater Noida, UP

Apr. 2020 – May 2021

## EXPERIENCE

### AI Intern

MindPeers

August 2025 – Present

Remote

- Engineered AI-powered workflows linking **HubSpot CRM** with LLMs via **n8n**, automating analysis of CRM form data that previously required manual handling.
- Automated intelligent email follow-ups and notifications, cutting process turnaround time by **60–70%** and significantly reducing manual workload.
- Leveraged structured CRM data with generative AI for context-aware decisioning, improving consistency and scalability of organizational processes.
- Contributed to the full AI development cycle — from research and prototyping to deployment and optimization of production-ready automation workflows.

### AI/ML Backend Intern

Skillcef

March 2025 – June 2025

Remote

- Developed an interactive coding challenge platform powered by LLMs, enabling an AI mentor to provide personalized real-time guidance and adaptive problem-solving strategies.
- Integrated GenAI-based code understanding models into the editor to deliver contextual hints, instant debugging support, and intelligent error explanations, improving learner productivity.
- Implemented ML-driven evaluation pipelines that analyzed code correctness along with space and time complexity, ensuring fair, scalable, and automated assessment of user submissions.

## PROJECTS

### CLI Agent: Natural Language to Shell Commands | Python, PyTorch, Hugging Face (Transformers, PEFT)

- Developed an AI-powered CLI Agent leveraging LoRA fine-tuned deepseek-coder-1.3b-instruct on a custom-curated dataset of 200+ CLI commands for natural language to shell command translation, achieving significant performance improvement during fine-tuning.
- Engineered robust agent orchestration, integrating dry-run safety features and ROUGE-L based evaluation for validated output quality and enhanced user control.

### StrudleMuse: AI Strudel Code Generator | Python, Flask, Gemini API, FAISS, SentenceTransformers

- Built an AI agent that converts natural language prompts into executable Strudel live-coding music patterns.
- Integrated Gemini Pro with FAISS-based document retrieval for context-aware musical code generation.
- Scraped and embedded Strudel documentation using Sentence Transformers for RAG (retrieval-augmented generation).

## TECHNICAL SKILLS

**Languages:** Python, MySQL, JavaScript, HTML/CSS

**Frameworks & Tools:** Flask, FastAPI, HuggingFace, Pinecone, FAISS, Streamlit, LangChain, n8n, HubSpot

**Developer Tools:** Git, GitHub, Visual Studio Code, Cursor

## ACHIEVEMENTS

**FinGenAI Hackathon:** First Prize for developing a solution involving Fintech and Generative AI

**Skillcef Synergy AI Hackathon:** Third Prize for developing AI Coding Mentor an application designed to provide coding assistance.

**Reliance Foundation Undergraduate Scholar**