

Shivam Jain

Enr. No. E23CSEU0017 📞 8260973845

✉ shivamjainqwer@gmail.com

🌐 linkedin.com/in/shivam-jain-966461319

🐙 github.com/Shivam200427

Education

Bennett University

Bachelor of Technology in Computer Science Engineering

Greater Noida, Uttar Pradesh

Expected 2027 **CGPA: 8.10**

- **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Python Programming, Software Project Management (SPM)

Experience

AI/ML Intern – AeroSearch

Feb 2026

AI/ML Engineer Intern

Noida, India

- Developed a multi-modal pedestrian detection system by fusing RGB and thermal imagery using a dual-stream ResNet architecture with feature-level attention fusion.
- Designed an end-to-end object detection pipeline integrating Feature Pyramid Network (FPN) and anchor-free FCOS detection head, enabling robust detection in low-light and nighttime environments.
- Implemented channel, spatial, and cross-modal attention with gated feature fusion to combine heterogeneous sensor data, improving detection reliability under challenging visibility conditions.

Projects

Clinical Pilot - Multi-Agent Clinical Decision Support System | Python, FastAPI, LangGraph, OpenAI

- Built an AI-powered multi-agent clinical decision support system using debate-driven reasoning to improve diagnostic accuracy and reliability.
- Designed Clinical, Literature, Safety, and Critic agents with PubMed search and LanceDB RAG for evidence-based clinical reasoning.
- Integrated DrugBank safety checks, Microsoft Presidio for privacy-preserving SOAP notes, and AsyncIO for efficient concurrent execution.

Nudge - Personal AI Assistant | Python, LLMs, Telegram Bot API, FastAPI

- Built an LLM-powered personal AI assistant on Telegram for natural-language conversations, task management, reminders, and quick knowledge retrieval.
- Developed conversational workflows to interpret casual user messages and automatically extract actionable tasks and scheduled reminders.
- Implemented persistent task management, contextual user memory, and REST API integration for reliable AI-powered automation.

Technical Skills

Languages: Python, C++, JavaScript, HTML, CSS

GenAI & LLM: Generative AI, Large Language Models (LLMs), Prompt Engineering, RAG, AI Agents, Multi-Agent Systems, Embeddings

APIs & Development: REST APIs, API Integration, Object-Oriented Programming (OOP), AsyncIO, Debugging

Databases & Search: MySQL, Vector Databases, Vector Search, Semantic Retrieval

Developer Tools: Git, GitHub, Jupyter Notebook, Google Colab, VS Code

Achievements

- Secured **Top 50 Rank** in **Smart India Hackathon (SIH) 2025**.
- Research paper accepted at the **IEEE ChandiCon 2026 Conference**.

Social Engagements

Management-Head: Of NEP SAARTHI - 2025-2026.

Volunteer: at KARTAVYA - NGO run by students to educate underprivileged childrens.

Sports-Engagements: Badminton, cricket, and Basket ball.