

SHREYASH DEBNATH

Software Engineering Undergraduate | Full-Stack & AI Developer

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SUMMARY

Software Engineering undergraduate (CGPA 9.3/10) who turns ideas into working products, from AI-powered storefronts and secure payment flows to sensor-driven IoT systems. Builds with Next.js, Python, Supabase and Firebase, and has led teams at hackathons from first idea to live demo. Looking for a backend or software development internship to build reliable software.

KEY SKILLS

- JavaScript, Python, C++
- Node.js, Express.js, Next.js
- HTML5, CSS3, Tailwind CSS
- REST APIs, Razorpay API
- Gemini API, Prompt Design
- Gradio
- MongoDB, PostgreSQL, SQLite
- Supabase, Firebase Realtime DB
- ESP32, Ultrasonic, Servo Motor
- Git, GitHub, VS Code
- Data Structures & Algorithms

PROJECTS

NextShop: AI-Powered E-Commerce Platform

[GitHub](#) | [Live Demo](#)

- Built an end-to-end e-commerce app with Razorpay checkout, webhook payment verification and dynamic GST and shipping calculation; deployed on Vercel.
- Designed an admin dashboard with revenue, order and stock metrics, plus role-based access.
- Integrated Gemini 2.5 Flash for a shopping chatbot and an admin AI console that answers store queries and updates data from natural-language commands.

Tech Stack: Next.js, Supabase, Gemini 2.5 Flash API, Razorpay API, Tailwind CSS

Eco-Command: Smart Waste Management System (Team of 3)

[GitHub](#)

- Designed an IoT smart dustbin using an ESP32 and ultrasonic sensor to monitor fill levels and stream real-time status to Firebase.
- Built a municipal dashboard with live fleet tracking on mapping APIs, capacity-status alerts, dark/light themes and voice support.
- Contributed to an automated segregation unit using servo motors and a TensorFlow/Keras waste classifier.

Tech Stack: ESP32, Ultrasonic Sensor, Servo Motor, Firebase Realtime Database, JavaScript, Mapping APIs, TensorFlow

Aadhaar Setu Vision (A.N.I.S.): UIDAI Hackathon 2026 (Team)

[GitHub](#)

- Built an analytics dashboard for UIDAI officers with session-based officer login, live enrollment metrics and executive reports.
- Implemented Isolation Forest anomaly detection to flag irregular enrollment patterns, and added 90-day demand forecasting with Facebook Prophet.

Tech Stack: Python, Pandas, NumPy, Scikit-Learn, Prophet, Matplotlib

AI Study Assistant

[GitHub](#) | [Live Demo](#)

- Built an AI study companion with Gemini 2.5 Flash and a Gradio interface; users switch between Friendly and Academic personas using persona-specific system prompts; deployed on Hugging Face Spaces.

Tech Stack: Python, Gradio, Gemini 2.5 Flash API (google-genai), Prompt Design

EDUCATION

B.Tech in Software Engineering

2025 - 2029

NIAT VGU Jaipur, Jaipur, Rajasthan

- CGPA: 9.3/10 (currently in 2nd year); coursework: OOP, DSA, DBMS, Software Engineering

Class XII (PCM), DAV Public School, Bishrampur

81%

Class X, DAV Public School, Bishrampur

90%

ACHIEVEMENTS & CERTIFICATES

- Top 100 teams in the Smart India Hackathon (SIH) institute-level round; Finalist, Takeover Hackathon, NIAT Jaipur.
- Team Lead at the NxtWave Buildathon and Tech Ideathon; LeetCode rating above 1500 with 100+ problems solved.
- Certificates: [Tech Ideathon](#) | [Buildathon](#) | [Takeover Hackathon \(Finalist\)](#) | [National Level Project Exhibition](#)