

Shivam Bansal

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EDUCATION

Manipal Institute of Technology (MIT)

B.Tech in Information Technology; CGPA: 8.92

Manipal, India

September 2022 – May 2026

John Milton Public School

Class XII, Percentage: 90.5%

Agra, India

2021

St. Peter's College

Class X, Percentage: 95.4%

Agra, India

2019

EXPERIENCE

Virtual Software Engineering Intern Program — Forage

July 2025 – Aug. 2025

JPMorgan Chase & Co.

Remote

- Simulated enterprise-grade financial transaction systems; integrated an external REST Incentives API.
- Exposed a REST Balance API on a custom port for real-time user balance queries.

Backend Engineering Intern

Feb. 2025 – June 2025

Skill High

Remote

- Built backend systems for sales lead and admin dashboards using Node.js, Express, PostgreSQL, and Prisma.
- Designed and built the customer relationship management portal.

Core Committee Member — Finance & Info Desk

Jan. 2025 – Mar. 2025

REVELS, MIT Manipal

Manipal, India

- Managed finance, information dissemination, merchandise, and passes for MIT's cultural fest.

Management Committee Member

Oct. 2023 – Nov. 2024

MIST, MIT Manipal

Manipal, India

- Organized CTF workshops and sessions, events like Smoked, Hackfest

PROJECTS

Smart Parking System App [GitHub](#)

- Real-time parking space availability, pre-booking, on-spot QR scanning, GPS navigation, and automated payments via Razorpay and in-app wallet; Firebase for live updates.

Secure File Transfer Using Audio Steganography [GitHub](#)

- Combined AES-256 encryption with LSB audio steganography to hide and transmit sensitive data securely.

APTS — Academic Project Tracking System | [MySQL](#), [React](#), [Node.js](#) | [Live](#)

- Platform for professors to track and evaluate progress and create project topics, students to create teams and upload project tasks.

CRM Platform Website | [React](#), [Node.js](#), [PostgreSQL](#) | [Live](#)

- Full-stack CRM used by a local manufacturing firm (steel wire and related products). Contact and queries form linked to email and WhatsApp.

Rubik's Cube Solver (Two-Phase Algorithm) | [Node.js](#), [React](#) | [Live](#)

- Implemented Kociemba Two-Phase Algorithm in the backend; interactive UI for scrambles and solution visualization.

ACHIEVEMENTS & CERTIFICATIONS

Finalist - Collins Aerospace AeroHack'25 (June 2025)

Penultimate Round - Adobe Hackathon'25 (May 2025)

Finalist - (Adobe Hackathon'24) Adobe Gen AI Solve (Aug. 2024)

Winner - Trail and Tail, Revel'24 (MIT Manipal - Cultural and Sports Fest) (Mar. 2024)

Winner - TESSERACT, TechTatva'23 (Oct. 2023)

TECHNICAL SKILLS

Languages: C, Java, C++, SQL, CSS, JavaScript, HTML

Tools: GitHub, Android Studio, Jupyter Notebook

Frameworks: React, Node.js, Express, Prisma ORM, REST APIs

Databases: PostgreSQL, MongoDB, MySQL, Firebase

Operating Systems: Windows, Linux, macOS