

Shivam Bansal

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EDUCATION

- **Manipal Institute of Technology** Manipal, India
• *B.Tech, Information Technology; CGPA: 8.92* 2022 - 2026
• *Courses: Data Structures, Algorithms, Operating Systems, Database Management, Object Oriented Programming, Operating System, Computer Networks*
- **John Milton Public School** Agra, India
• *Class XII, Percentage: 90.5%* 2021
- **St. Peter's College** Agra, India
• *Class X, Percentage: 95.4%* 2019

SKILLS SUMMARY

- **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 System:** Windows, Linux, MacOS

PROJECTS

- **Smart Parking System App (Java, Android Studio, Firebase):** Developed a smart parking system app providing real-time parking space availability, pre-booking, on-spot QR scanning, GPS navigation, and automated payment using razorpay and in-app wallet. Integrated Firebase for space updates and payment processing.
- **Secure File Transfer Using Audio Steganography (Python, XAMPP):** Developed a secure file transfer system combining AES-256 encryption and audio steganography (LSB encoding) for hiding sensitive data in audio files.
- **APTS - DBMS Based Academic Project Tracking System (MySQL, React, Node.js):** Developed a platform for professors to track project progress, form teams, and for admins to manage projects.
- **CRM Platform Website (React, Node.js, PostgreSQL):** Developed and deployed a full-stack CRM platform actively used by a local manufacturing firm specializing in steel wire and related products.
- **Rubik's Cube Solver :** Developed a full-stack web application featuring a Rubik's Cube solver. The backend implements the Kociemba Two-Phase Algorithm, while the frontend provides a user interface for entering scrambles and visualizing solutions.

EXPERIENCE

- **JPMorgan Chase & Co. – Virtual Software Engineering Program (Forage) (June 2025 – Aug 2025):**
 - Completed the Forage Midas Core Virtual Internship simulating enterprise-grade financial transaction systems.
 - Integrated an external REST Incentives API and applied incentive-based rewards to transactions.
 - Exposed a REST Balance API on a custom port for real-time user balance queries.
- **Internship at Skill High (Feb 2025 – June 2025):**
 - Built backend systems for the sales lead and admin dashboards using Node.js, Express, PostgreSQL, and Prisma.
 - Collaborated on testing and improving the company's main website for production readiness.
 - Worked with a cross-functional team to design scalable APIs and implement secure authentication.
- **Core Committee Member, REVELS, Finance And Info Desk (Jan 2025 – March 2025):**
 - Managed finance, information dissemination, Merchandise, Passes for the College only cultural fest.
- **Management Committee Member, MIST, MIT (Oct 2023 – Nov 2024):**
 - Collaborated with the team to organize CTF workshops and sessions for students.

ACHIEVEMENTS AND CERTIFICATIONS

- Finalist - Collins Aerospace AeroHack'25 (28-06-2025)
- Reached the penultimate round in the Adobe Hackathon'25 (23-05-2025)
- Finalist - Adobe Hackathon'24 (12-08-2024)
- Winner - TESSERACT, TechTatva'23 (MIT, Manipal - Official Technical Fest) (21-10-2023)
- Winner - TRAIL AND TAIL, Revel'24 (MIT, Manipal - Cultural and Sports Fest) (07-03-2024)