

Shivam Bansal

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SKILLS

- **Programming Languages:** C, Java, C++, HTML, CSS, JavaScript, SQL
- **Tools:** React, Node, GitHub, Cisco Packet Tracer, XAMPP, MySQL

EDUCATION

Manipal Institute of Technology, Manipal

B.Tech, Information Technology(2026)

CGPA: 8.96 (Jan 2025)

XII (CBSE), John Milton Public School, Agra

90.5% (2021)

X (ICSE), St. Peter's College, Agra

95.4% (2019)

ACADEMIC PROJECTS

Development and Simulation of a Multi-Protocol Network using Cisco Packet Tracer

Configured multiple network protocols including RIP, OSPF, NAT, DHCP, NTP, and EIGRP. Addressed key functionalities like IP addressing (Class A, B, C, and classless), email configuration using POP and IMAP protocols, and FTP server setup. Conducted testing and validation of routing tables, OSPF databases, and protocol-specific commands

Secure File Transfer Using Audio Steganography

Developed a secure file transfer system combining AES-256 encryption and audio steganography (LSB encoding, echo hiding) to conceal sensitive data within audio files. Utilized SFTP for secure transmission, ensuring confidentiality and integrity of files during transfer.

APTS - DBMS Based Academic Project Tracking System

A platform for professors to track projects, students to form teams, and admins to manage project progress.

DOODLE PLAY

Shape Identification and Reconstruction Using CNNs for Adobe Gen AI Hackathon. Developed CNN-based solution for identifying and reconstructing shapes in images. Implemented shape regularization techniques to refine incomplete or irregular shapes, creating an efficient tool for creative AI applications.

POSITION OF RESPONSIBILITY

- Core Committee Member — REVELS, Finance And Info Desk (10-01-25)
- Management Committee Member — MIST, Manipal Institute of Technology (19-10-23)
- Task Phase Member — RUGVED, Manipal Institute of Technology (03-11-22)

ACHIEVEMENTS

- Reached the penultimate round in the Adobe Hackathon (12-08-24)
- Completed the National Security Database - Basics in IoT Security (09-09-2023)
- Winner - TESSERACT, TechTatva'23 (MIT, Manipal - Official Technical Fest) (21-10-23)
- Winner - TRAIL AND TAIL, Revel'24 (MIT, Manipal - Cultural and Sports Fest) (07-03-24)