

# YASH PANDEY

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## Education

Vellore institute of Technology Bhopal, India

2022 - 2026

- CGPA: 8.72

(expected)

Swaraj India Public School, India

2021 - 2022

- ISC (Class XII), Aggregate: 94.8%

Swaraj India Public School, India

2019- 2020

- ICSE (Class X), Aggregate: 96.4 %

## Skills

**Tech Stack:** Java, Python, JavaScript, TypeScript, Node.js, Express.js, React, EJS, MongoDB, MySQL, HTML, CSS, Bootstrap, Git

**CS Fundamentals:** OOP, DSA, DBMS, OS, Computer Networks

## Projects

**DopePost** (MERN Stack, Socket.IO, JWT Auth, Cloudinary, Multer, TailwindCSS)

- Built a real-time content-sharing app with live notifications for **5+** user actions (likes, comments, messages), handling concurrent users via Socket.IO.
- Secured sessions for **3,000+** users using JWT-based authentication and role-based access control via jsonwebtoken and cookie-parser.
- Crafted **20+** responsive UI components with React, TailwindCSS, and Radix UI to support dynamic feeds, comments, and profile management.
- Integrated Cloudinary and Multer for uploading and rendering user media, supporting images up to **10MB** in posts and profile pictures.
- Enabled real-time messaging between users using Socket.IO-client and managed sessions using Redux Toolkit, supporting up to **1,000+** messages/day in testing.

**eVentIT** (MERN Stack, Stripe, JWT Auth, Redux Toolkit, Multer, React Player, React Quill, Recharts, Radix UI)

- Developed a MERN-based course platform with Stripe integration, enabling secure checkout and enrollment for **10+** demo courses, each with gated video access via react-player.
- Built JWT-authenticated APIs and role-based access flows for admins and students using cookie-parser, tested across **10+** user scenarios (e.g., enrol, upload, view-only access).
- Designed RESTful endpoints for course CRUD operations and lesson tracking, with admin dashboards visualized through Recharts showing **2** metrics revenue and enrolments.
- Handled uploads of course content including videos (~**100MB** each) using Multer and Cloudinary, and enabled rich content editing for course descriptions via React Quill.

**Swiftly** (MERN Stack, JWT Auth, ExcelJS, Multer)

- **Developed** a task manager supporting **2 user roles** with dashboards summarizing progress of **tasks** across multiple teams.
- **Automated** real-time status updates through checklist tracking, supporting transitions across **3 task states**: Pending, In Progress, Completed.
- **Secured** all routes with JWT-based auth and permission checks, managing access across **admin/member-specific task views**.
- **Exported** detailed task and team reports using ExcelJS, with support for **bulk data export** of up to **500+ entries**.
- **Classified** tasks into **3** priorities (High, Medium, Low) with visual indicators to aid admins in **prioritizing work assignments** effectively.

## Academic and Extracurricular Achievements

- **Achieved** top 5% rank among 23,872 candidates in NPTEL's 12-week Cloud Computing course by IIT Kharagpur with an 83% score.
- **Earned** a 10-week Full Stack Developer (MERN) certification through SmartInternz in collaboration with MongoDB, by completing all assigned projects and evaluations.
- **Selected** from 845 candidates for a 30-day Winter Internship at India Space Lab through a 35-question entrance exam; trained in Drones, Satellites, Astronomy, and Space Tech Applications.
- **Ranked** in the top 2% of 1,544 candidates in NPTEL's 12-week Marketing Analytics course (score: 83%); awarded Elite certification by IIT Kharagpur.