



Ashish Saini

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BTech: Information Technology

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Portfolio

LinkedIn Profile

EDUCATION

•National Institute of Technology, Kurukshetra

2022-Present

BTech: Information Technology

CGPA: 8.1/10

•BRISK International Public School, Safidon

Apr 2021

Percentage - 93

12th Board | CBSE

•Convent Public School, Safidon

Percentage - 87.4

10th Standard | CBSE

PROJECTS

•Thought Lab

- Tech Stack: React.js, Node.js, Express.js, MongoDB, WebSockets, Face Recognition API, JWT Auth, Nodemailer, Ant Design, Tailwind CSS
- Blog Management: Enabled admins to publish event blogs to keep the community informed.
- Counsellor Appointment System: Implemented a student-counsellor appointment flow with automatic approval/rejection notifications via email.
- Admin Dashboard: Developed an admin panel to manage blogs, appointments, track monthly traffic, and monitor user registrations.
- Leaderboard Integration: Used WebSockets to maintain real-time leaderboards for club activities and competitions.
- Attendance System: Integrated face recognition technology to allow students to mark attendance securely.
- Game Management: Added features to create, update, and delete multiple club games dynamically.
- Daily meditation messages: Automated daily messages for promoting student wellness via scheduled job logic.
- Certificate Generation: Enabled dynamic generation of certificates for winners of various club activities and games.

•Code Collaborator

- MERN-based real-time collaborative coding tool with Monaco Editor, WebSockets, and Lottie integration.
- Enabled shared whiteboard, code sync, and download features for seamless collaboration.
- Link: hilarious-madeleine-38b690.netlify.app

•WebRTC Podcast and Room Management

- WebRTC and WebSocket-powered room-based platform with public/private access control.
- Implemented stateless OTP auth mechanism to reduce DB overhead and enhance access speed.

TECHNICAL SKILLS AND INTERESTS

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

Developer Tools: Git, WebSockets, WebRTC

Frameworks: ReactJS, Node.js, Express.js, Material UI, Ant Design

Cloud/Databases: MongoDB

Soft Skills: Communication, Teamwork, Leadership

Coursework: DSA, Operating Systems, CN, OOPS, OS

Areas of Interest: Full Stack Development, Real-time Web Apps

ACHIEVEMENTS

•Smart India Hackathon (SIH), College-level winners, nominated to national level

2024

•Excalibur, Top 7 out of 60 teams

2023

•Thought Lab (Club) Secretary

2025

- Managed and developed the Thought Lab portal with multiple real-time features.
- Coordinated club activities and technical events.