

# Pariansh Mahajan

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## EDUCATION

### Thapar Institute Of Engineering And Technology

Bachelor of Engineering in Computer Science  
CGPA:9.30

Patiala, India

2022 – 2026

## EXPERIENCE

### Backend Engineer - Hostel Management System

Thapar Institute Of Engineering And Technology, Patiala

2024 – Present

[hosmas.ccstiet.com](https://hosmas.ccstiet.com)

- Created hostel platform serving 10,000+ daily users with Django and Next.js, reducing admin workload by 40%
- Implemented integrated system of 5 core services for hostel, laundry, and mess operations with 99.9% uptime
- Architected secure multi-role access framework supporting 6 user categories, cutting unauthorized access by 95%

### Frontend Engineer - Society Permissions Portal

Thapar Institute Of Engineering And Technology, Patiala

2024 – 2024

[society-permissions.thapar.edu](https://society-permissions.thapar.edu)

- Led permissions platform managing 3,000+ monthly active users with 99.9% uptime and near-zero downtime
- Enhanced front-end components to cut page load times by 60% and boost user engagement by 45%
- Designed a mobile-first UI framework supporting 15+ workflows with seamless cross-platform accessibility

## PROJECTS

### SiteSync | MERN, VM, Docker, Jenkins, Bash Scripting

[sitesync.pariansh.tech](https://sitesync.pariansh.tech)

- Entrenched automated deployment platform supporting 50+ simultaneous projects with custom DNS configuration
- Orchestrated CI/CD pipeline reducing deployment time by 75% compared to manual processes
- Constructed secure file management system handling 1TB+ of project data with 99.99% availability

### Year Round Recruitment Portal | MERN

- Launched recruitment platform processing 350+ applications with 99% reliability and automated tracking
- Architected backend infrastructure handling 50+ concurrent admin operations with sub-second response time

### Raptus | MERN, Docker, R3F

[raptus.ccstiet.com](https://raptus.ccstiet.com)

- Created 3D cryptic hunt platform supporting 1,000+ concurrent users with 100% uptime during event
- Optimized 3D model loading reducing initial render time by 65% through efficient asset management
- Implemented real-time leaderboard system processing 10,000+ score updates per hour

## POSITION OF RESPONSIBILITY

### Creative Computing Society - Joint Secretary

Thapar Institute Of Engineering And Technology

2022 – Present

Patiala

- Led technical team of 20+ members in executing 8 major events while mentoring 50+ hackathon participants
- Scaled society's web infrastructure to support 8,000+ users across multiple university-wide platforms
- Conducted advanced backend development workshop reaching 200+ students with 95% positive feedback

## ACHIEVEMENTS

- Secured first place in Smart India Hackathon 2024 for PS1618, excelling at an esteemed national level
- Awarded INR 10+ lakh scholarship from Thapar Institute for outstanding academic achievements
- Achieved global rank 72 in CodeChef Starters 155 among 10,000+ participants, with a 3-star rating

## TECHNICAL SKILLS

**Languages:** Python, C/C++, JavaScript, TypeScript, Go, HTML/CSS, SQL

**Frameworks:** Node.js, Next.js, React.js, Express.js, Three.js, R3F, Socket.io, SpringBoot

**Database:** MongoDB, PostgreSQL, Kafka, Redis

**Developer Tools:** Git/GitHub, NPM, VS Code, Vagrant, Linux, Docker, Kubernetes, Nginx