

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

2024 – Present

Thapar Institute Of Engineering And Technology, Patiala

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

2024 – 2024

Thapar Institute Of Engineering And Technology, Patiala

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.com

- 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

- 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

2022 – Present

Thapar Institute Of Engineering And Technology

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