

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

Center Of Excellence - University of Queensland | TIET, Patiala

Jan 2025 – May 2025

Full Stack Developer

dsai.thapar.edu

- Spearheaded tech team to build cross-college portal enabling research and internship collaboration at global level
- Engineered secure, role-based dashboards in Next.js 14 with ISR caching and modular architecture
- Streamlined grant proposals workflows for 300+ professors across multiple institutions and industries

Hostel Management System - TIET, Patiala

Apr 2024 – Dec 2024

Full Stack Developer

hosmas.ccstiet.com

- Architected scalable platform serving 14,000+ users across 18 hostels with Kubernetes and Go microservices
- Automated allocation, mess, leave, and cleaning systems, reducing administrative overhead by 40%
- Designed OAuth authentication with RBAC, achieving 99.9% uptime through load balancing

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
- Solved 700+ LeetCode problems with 1700+ contest rating, ranked in top 12.5% globally

PROJECTS

Society Permissions Portal | Next.js 13, Django, Material UI, Docker, Jenkins

society-permissions.thapar.edu

- Delivered permissions platform serving 4,000+ users with 99.9% uptime for TIET administration
- Optimized front-end hydration with intelligent caching, improving load speed and boosting user engagement
- Dynamic multi-role system handling all edge cases, reducing college's student clubs' finance paperwork by 96%

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

sitesync.pariansh.com

- Devised zero-config deployment tool enabling Git-based Docker hosting on VMs, reducing errors by 80%
- Constructed robust CI/CD pipelines using Jenkins, Docker, and Bash, cutting deployment time significantly
- Integrated live monitoring, auto-redeploy, and DNS management for complete lifecycle control

Raptus | MERN, Docker, R3F

raptus.ccstiet.com

- Launched 3D cryptic hunt platform supporting 1,000+ concurrent users with zero downtime
- Optimized Three.js rendering through model clustering, improving load times by 60%
- Developed real-time leaderboard with instant score updates and high-throughput WebSocket handling

POSITION OF RESPONSIBILITY

Creative Computing Society — Joint Secretary

2022 – 2025

Thapar Institute of Engineering and Technology, Patiala

ccstiet.com

- Managed technical society with 5000+ community members, orchestrated 20+ institute-wide technical events
- Mentored 700+ students through DSA bootcamps, technical workshops, and 8+ national/intra-college hackathons
- Coordinated cross-functional teams for tech initiatives, managing logistics and resource allocation

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