

Pariansh Mahajan

+91 7876768113 | parianshm@gmail.com | pariansh.com | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

EDUCATION

Thapar Institute Of Engineering And Technology
B.E. Computer Science Engineering | CGPA: 9.18/10

Patiala, India
2022 – 2026

EXPERIENCE

Amazon | Bengaluru, India

Jan 2026 – Jun 2026

Software Development Engineer Intern

- Owned **Tier-2 Payments Recommendation Engine** migration to a **greenfield AWS region**, serving **millions** globally
- Containerized** legacy Java service and built production **AWS CDK** infrastructure spanning networking, security, compute, CI/CD and observability, globalized **15 DynamoDB tables**, across **3 AZs** with **zero-fork** backward compatibility
- Drove migration adoption across **7 dependent teams** via **architecture reviews**, onboarding wikis and on-call SOPs
- Shipped **4 payment features** to **100% production**; fixed a **silent bug** impacting **20%** of UPI sessions across **India region**
- Drove implementation tradeoffs with senior engineers; led **25+ code reviews** across **9+ codebases**, fixed **8+ production issues** across **2 parallel workstreams**, with **5+ production deployments** and zero escalations

Center Of Excellence - University of Queensland | TIET, Patiala

Jan 2025 – May 2025

Full Stack Developer

dsai.thapar.edu

- Founding technical lead for **UQ-TIET** Centre of Excellence platform, architecting **RBAC** and modular workflows.
- Streamlined research programs and funding for **3,500+ users** across **6+ universities**, cutting evaluation time by **60%**

PROJECTS

Budbak | Electron, TypeScript, SQLite, LLM APIs

Amazon Internals

- Developed a **context manager** for **3+ AI assistants**, using **knowledge buckets** and **selective context injection**
- Reduced **context-window bloat** across **100+ chats**; adopted by **8+ teammates** and presented at **internal AI meetups**

SiteSync | Next.js, Node.js, Docker, Nginx, SSH, Bash Scripting, VM

- Devised **zero-config** deployment tool, detecting stacks, generating **Dockerfiles**, **CI/CD configs**, reducing errors by **80%**
- Automated **SSH-based VM** deployments with live logs, NGINX configs, Cloudflare DNS, cutting deploy time **30 to 3 min**

Society Permissions Portal | Nextjs13, Django, Material UI, Docker, Jenkins

society-permissions.thapar.edu

- Established official **TIET societies portal** serving **4,000+ users** across **50+ societies** for grants, funding and permissions
- Dynamic **multi-role approval engine** digitizing formal workflows and paperwork, reducing manual processing by **70%**

PRODUCTION SYSTEMS & ARCHITECTURE

QisPratapgarh(350K+ requests)(Govt. of India): Live queue monitoring system for Election Commission voting

HOSMAS(10K+ users): Hostel platform handling **concurrent allocation traffic** through request queuing

Saturnalia(10K+ users): Kubernetes-based platform handling registrations, payments, accommodation and merchandise

CCS Auth(5,000+ users): OAuth2-based Single Sign-On centralizing authentication across institutional portals

ACHIEVEMENTS

- Secured **first place** in **Smart India Hackathon 2024** (PS1618) at the national level
- Awarded **INR 7+ lakh** scholarship from Thapar Institute for outstanding academic achievements
- Achieved **global rank 72** in CodeChef Starters 155 among 30,000+ participants globally
- Solved **750+ LeetCode** problems with **1700+ contest rating**, ranked in **top 12.5%** globally

POSITION OF RESPONSIBILITY

Creative Computing Society | Joint Secretary

2022 – 2025

Thapar Institute of Engineering and Technology, Patiala

ccstiet.com

- Directed a **130-member** society serving **5,000+**; mentored **1,000+** via DSA workshops and organized **15+** technical events
- Mentored **3,500+** participants from **28 colleges** for HackTU 6.0 in collaboration with **MLH**

TECHNICAL SKILLS

Languages: Java, Go, C/C++, Python, JavaScript, TypeScript, SQL

Frameworks & Libraries: Next.js, React.js, Node.js, Express.js, Spring Boot, Coral, Redux, Three.js

AI / GenAI: LLM APIs, Whisper, Speech Processing, Vector Embeddings, LangChain, RAG, ML constructs

Database & Messaging: PostgreSQL, MongoDB, DynamoDB, Redis, MySQL, Kafka, Firebase

DevOps & Tools: AWS (CDK, ECS, VPC, Route 53), Docker, Kubernetes, Jenkins, Git, Linux, Nginx

CS Constructs: Data Structures, Algorithms, Operating Systems, DBMS, Object-Oriented Programming, System Design