Manan Malik

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Education

Thapar Institute of Engineering and Technology, Patiala
Bachelor of Engineering in Electronics and Computer, CGPA: 8.38   Sep 2022 – Present
Montfort School, Roorkee
Scored 89.8% in 12th standard and 91.5% in 10th standard.

Experience

Site Reliability Intern, Yum! India Global Services Private Limited   Jan 2026 – Present
- Reduced alert noise by **40–60%** by identifying and eliminating high false-positive monitors, significantly improving on-call signal-to-noise ratio
- Improved **MTTD by 25–35%** for P1/P2 incidents through alert threshold tuning, evaluation window optimization, and removal of non-actionable alerts
- Increased on-call reliability and trust in monitoring systems by building a **high-signal, low-noise alerting strategy** aligned with SRE and production reliability best practices

Acmez Internship Program , ACMEZ Technologies Pvt Ltd   Jun 2025 – Jul 2025
- Secured endpoints with **JWT** authentication and **RBAC**, built a unique **QR-based check-in system**, and achieved **90% API test coverage with Jest**.
- Developed a scalable Node.js backend with 40+ **RESTful APIs** and 7+ MongoDB models, featuring complex aggregation pipelines for admin analytics.
- Engineered server-side integrations for **OpenAI (AI Coach)**, **Stripe (payments)**, and **Cloudinary (image uploads)**.

Projects

Code-o-clock — *React, Prisma, Liveblocks, Judge0, Firebase, Novita.ai*   Jun 2025
- Built a full-stack coding platform on **Node.js/PostgreSQL** backend with **Liveblocks** powering 3+ real-time collaboration features.
- Integrated **Judge0 API** for secure sandboxed execution in 10+ programming languages.
- Added AI assistant using **Novita.ai (Llama3-70b)** for debugging, solution approaches, and code optimization.
- Designed a polished UI with **GSAP Framer Motion**, implementing 20+ complex animations for a world-class UX.

CampusRide — *Node.js, React, Google Maps API, Express.js*   Jan 2025
- Engineered a real-time ride-hailing platform for campus students to efficiently book e-rickshaws.
- Integrated **Google Maps API** for live tracking, optimized routing, and accurate fare estimation.
- Enhanced student–driver communication, reducing average wait times by **30%**.

DevTinder — *MongoDB, Express.js, React.js, Node.js*   Feb 2024
- Developed a networking platform connecting developers by skills, interests, and collaboration needs.
- Designed a **React + Tailwind** frontend, ensuring a modern and responsive interface.
- Implemented secure **JWT-based authentication + RBAC**.

Leadership Roles

Executive Member, MLSC TIET   2022 – 2024
- Led publicity, content creation, and event management for **Makeathon**, the flagship hackathon with 1500+ participants.
- Facilitated cross-team collaboration, ensuring a seamless event experience and innovation among participants.

Head Boy, Montfort School   2021 – 2022
- Represented the student body, building collaboration between students, teachers, and administration.
- Spearheaded cultural, academic, and sports events, ensuring smooth coordination with 1000+ students.

Technical Skills

Programming: C, C++, Java, JavaScript, HTML, CSS
CS Fundamentals: Operating system ,Computer Networks, DBMS, OOPS , DSA (500+ questions solved)
Backend: Node.js, Express.js, MongoDB, MySQL
Frontend: React.js, Redux, Tailwind CSS
Developer Tools: Git/GitHub, VS Code, Figma
Devops: Docker , Kuberbnetes , CI/CD , Github actions
Cloud: AWS, Azure , EC2 , S3 , ECS
Monitoring : Datadog, Incident.io
Automation : Port , Retool
Soft Skills: Communication, teamwork, leadership, analytical thinking