

JATOTH LOKESH

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EDUCATION

Indian Institute of Information Technology and Management - Gwalior

Nov 2022 – May 2027

Bachelor of Technology in IT with Integrated MBA – CGPA: 8.01

Gwalior, Madhya Pradesh

COURSEWORK

- Data Structures and Algorithms
- Operating Systems
- Database Management Systems
- Computer Networks
- Object-Oriented Programming

EXPERIENCE

Arohana Tech

March 2025 – June 2025

Full Stack Web Developer Intern

Lucknow, Remote

- Developed a responsive SPA using **React**, **Vite**, and **Tailwind CSS**, improving load time by **30%** across 5+ interactive pages.
- Engineered a **Node.js/Express** proxy to manage **CORS** and validations, securely routing **200+ monthly submissions** to **Google Sheets**.
- Collaborated in a remote 3-member team, consistently delivering **modular, maintainable code** ahead of deadlines.

PROJECTS

Uptime Monitor (BetterStack) 📄 | [Next.js](#), [Express](#), [Redis Streams](#), [Prisma](#), [Postgres](#)

Nov 2025

- Architected a scalable **distributed uptime monitoring system** using **Turborepo**, enabling users to track website availability and latency in real-time.
- Implemented a **Producer-Consumer architecture** using **Redis Streams**; a 'Pusher' service schedules bulk checks, while distributed 'Workers' asynchronously process pings and write metrics to **PostgreSQL** via **Prisma**.
- Developed a **Next.js dashboard** with **Tailwind CSS** that visualizes status (Up/Down) and response times, featuring periodic polling for live updates.
- Ensured system reliability by implementing **End-to-End (E2E) testing using Bun**, covering authentication flows, monitor creation, and status retrieval logic.

Medium Blog App 📄 | [React](#), [TypeScript](#), [Hono](#), [PostgreSQL](#), [Prisma](#)

Feb 2025

- Developed a full-stack serverless blogging platform deployed on **Cloudflare Workers**, leveraging an **edge-first architecture** via Wrangler to reduce global latency by **40%**.
- Engineered a high-performance backend using **Hono** and **Prisma ORM** with **PostgreSQL connection pooling**, ensuring type-safe and efficient handling of users, articles, and concurrent comments.
- Implemented robust **input validation using Zod** and secure authentication, while delivering a fully responsive UI that ensures seamless compatibility across mobile and desktop devices.

E-Learning Platform 📄 | [React](#), [Express](#), [Node](#), [MongoDB](#)

Jan 2025

- Built a Full-stack **E-Learning** platform enabling users to **create, purchase, and enroll in courses**, with features like **user authentication**, **course/lecture management**, **progress tracking**, and **payment processing via Razorpay**.
- Utilized technologies including **React**, **Redux Toolkit**, **Tailwind CSS**, **Node.js**, **Express**, and **MongoDB**, ensuring a seamless and scalable solution.
- **Integrated Cloudinary for cloud storage** and delivered a user-centric platform focused on intuitive learning and management.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, TypeScript

Web Development: React.js, Next.js, Node.js, Express.js, Hono, Redux, Tailwind CSS, Zod

Databases: PostgreSQL, MongoDB, Redis, SQL, Prisma ORM

DevOps & Cloud: Docker, Kubernetes, Prometheus, Grafana, Nginx, Cloudflare Workers, AWS

Tools: Git, GitHub, Postman, Turborepo, VS Code, Figma

ACHIEVEMENTS

- Achieved a maximum contest rating of **1776** in **Weekly Contest 472** (Top **16%** globally).
- Solved **600+** Data Structures and Algorithms problems across various coding platforms.