Ankur Singh

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EDUCATION

Indian Institute of Information Technology, Una　　　　　　　　　Una, Himachal Pradesh
B.Tech in Computer Science and Engineering　　　　　　　　　　　*Nov 2022 – Jun 2026*

EXPERIENCE

Nuclay Solutions　　　　　　　　　　　　　　　　　　　Gurgaon, India (Remote)
Backend Developer Intern　　　　　　　　　　　　　　　　　*Jun 2024 - Aug 2024*

- Optimized RESTful APIs by integrating **pagination**, **server-side caching**, and **real-time data updates**, reducing average response latency by **40%**.
- Developed a fully **responsive, cross-platform Admin Panel UI** using React and Tailwind CSS, improving user accessibility and mobile compatibility by **30%**.
- Resolved over **30 critical bugs** and deployed **10+ new features**, improving system stability and cutting resolution time by **35%**.
- Led the development of scalable full-stack modules in collaboration with cross-functional teams, resulting in a **40% reduction in backend response time** and a **30% increase in deployment frequency** across platforms.

PROJECTS

Settle It — *MongoDB, Express.js, Next.js, Node.js, TypeScript, SASS*　　　*Sept 2024 – Dec 2024*
- **Live:** settleit.vercel.app　　　　　　　　　　**GitHub:** github.com/axkkkur/settle-it
- Built a full-stack expense-splitting app enabling users to manage group expenses, track payments, and settle balances.
- Used **MERN stack** with TypeScript for a scalable and maintainable codebase; styled with modular SASS.
- Boosted app performance with optimized MongoDB queries and route-level code splitting, improving response time by 60%.

Meraki IIITU — *Next.js, TypeScript, MongoDB, SASS, Google Identity Services, Jest*　　*Aug 2023 – Sep 2023*
- **Live:** meraki-23.vercel.app　　　　　　　　　**GitHub:** github.com/axkkkur/meraki-23
- Developed the official website for IIITU's tech fest with a clean, responsive frontend and dynamic content integration.
- Implemented a secure OTP-based login system using **Google Identity Services**, reducing unauthorized access and login failures by 30%.
- Achieved a **95% SEO score** via semantic HTML, accessibility enhancements, and metadata optimization.

Other Projects
- Planner — A minimalist task planning app built with modern JavaScript and deployed on Netlify.

TECHNICAL SKILLS

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

Web Technologies: HTML5, CSS3, RESTful APIs, JSON

Frameworks & Libraries: Spring Boot, React.js, Next.js, Node.js, Express.js, Redux, Tailwind CSS, Redis

Cloud & DevOps: AWS (SQS, S3, ECS), Docker (basic), CI/CD pipelines (basic), Git, GitHub

Database Systems: MySQL, MongoDB, SQL (strong proficiency), RDBMS integration

Tools & Platforms: Postman, Swagger (basic), VS Code, Linux, Vercel

Development Practices: Agile Methodology, Unit Testing (Jest), Microservices Architecture

COURSEWORK

- **Core Computer Science:** Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Database Management Systems

POSITIONS OF RESPONSIBILITY

- **Lead - Development Team, IIIT Una**　　　　　　　　　　　　*April 2024 – Present*

ACHIEVEMENTS

- Solved over **350+ Data Structures Algorithms (DSA)** problems on LeetCode, Codeforces, and GFG, consistently maintaining a **top 10% ranking**. Codolio Profile
- **Finalist at UYIR Road Safety Hackathon 2025**, for designing a prototype that improved hazard detection andreporting using real-time mapping and alert systems.
- **Qualified for Round 2** of **Flipkart GRiD 5.0 – Software Development Track** by solving **real-world algorithmic and system design challenges** with a 90% test case pass rate under timed constraints.

EXTRACURRICULARS

- **Electrothon 6.0 (NIT Hamirpur)**: Ranked Top 10 out of 100+ teams; praised by mentors.
- **Prog-O-Thon 2023**: Won 'Best UI/UX' for React prototype among 50+ teams.