

Aalok Lowanshi

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Education

Medi-Caps University

Indore, Madhya Pradesh

Bachelor of Technology in Computer Science

2021 - 2025

- Cumulative GPA: **8.7/10.0**
- Relevant CourseWork: Data Structures Algorithmtm , C/C++ , Java , OOPS

Servite Convent Sr. Sec School

Hoshangabad, Madhya Pradesh

CBSE (Class XII) PCM

2021

- Aggregate percentage: **82.8%**

Work Experience

Software Developer Trainee

01/2025 - current

Gemini Solutions

- * Re-engineered backend microservices architecture, increasing system modularity by 20% and reducing inter-service communication latency by 9%, directly contributing to improved application responsiveness.
- * Streamlined front-end architecture by refactoring legacy code into modular React.js components, resulting in a 35% improvement in initial page load time and a 15% reduction in bug reports..
- * Guided the configuration of New Relic to monitor key performance indicators (KPIs) across microservices, leading to a 15% reduction in system downtime and a 10% improvement in overall system throughput.
- * **Skills:** Spring Boot, React.js, REST APIs, MongoDB, Git

FullStack Developer Intern

01/2024 - 06/2024

Progshee Technologies

Remote

- * Launched Matchkaro, an innovative dating app, leveraging **Next.js** for seamless user interface and **Node.js with Express** for efficient server handling; reduced page load time by **40%** enhancing overall user experience.
- * Led the tech team, created many reusable components, and made 85% of components reusable. Majorly worked on backend and API integration.
- * Hosted client meetings, ensuring alignment of project goals and client expectations. Collaborated with 8+ clients during the internship period. Resolved bugs collaboratively with cross-functional teams.
- * **Skills:** Next.js, Node.js, Express.js, TypeScript, React.js

Software Development Engineering Intern

11/2023 - 01/2024

Mitt Arv

Hybrid

- * Constructed an engaging organizational website, integrating robust security features that mitigated potential vulnerabilities, evidenced by zero security breaches reported during the internship period.
- * Pioneered the implementation of a unified bug tracking system across Design, Product, and Engineering teams, resolving **10+ bugs** per sprint throughout the software development internship.
- * Delivered **15** new features and enhancements to the Pre-Login page, focused on UI enhancements and bug fixes, which was the highest number of contributions among the intern cohort.
- * **Skills:** Node.js, Express.js, React.js, Redux, JavaScript, Flutter, and Atlassian Jira Software.

Projects

Full-Stack E-commerce App

- * Created an innovative E-commerce platform leveraging cutting-edge technologies including **Node.js**, **Express.js**, **React.js**, and **MongoDB**
- * Designed 20+ API endpoints, including cart CRUD operations, payment gateway integration, JWT authentication, Forgot Password. Built 10+ reusable UI components, implemented category and price filtering, and designed separate user and admin dashboards with scalable architecture
- * Implemented a faceted search feature with category, price, and brand filters, empowering users to refine product searches and resulting in 2x more products being viewed per session.

Video Call Application

- * Developed a **video-based** web application using **WebRTC**, **Socket.io**, and frontend on **React.js** and created 2+ components reusable .
- * Functionality includes video calling using a room ID, which should be the same for both users.

Technical Skills

Languages: C/C++, Java, JavaScript, SQL

Technologies/Frameworks: Node.js, Express.js, MongoDB, Mongoose , Spring Boot , React.js, Basics of Next.js, React state management in Recoil and Redux