Ankush Kumar

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WORK EXPERIENCE

Cargill Business Services — Associate Software Engineer · August 2023 - present

- Spearheaded a team of 7 developers in the design and execution of a **Content Management System (CMS) and Progressive Web Application (PWA)**, adhering to **Agile** methodologies for efficient development cycles.
- Acted as **principal frontend developer**, utilizing **React.js** and **Tailwind CSS** to create intuitive UIs across devices.
- Engineered a **90%** reduction in response time by integrating **TensorFlow** and **COCO-SSD model**.
- Integrated **Azure Single Sign-On (SSO)**, or streamlined user authentication, enhancing security measures.
- Implemented advanced optimization techniques such as **lazy loading** and image compression and utilized **React Query for efficient data fetching and caching**, accelerating loading times and improving efficiency by **50%**.
- Collaborated closely with backend counterparts to conceptualize and implement **RESTful APIs** and employed tools like **JIRA and Git** for streamlined project management and version control

Cargill Business Services — Software Developer Intern · February 2023 - August 2023

- Spearheaded the development of a marketing site utilizing **Next.js**, catering to 1000s of users
- Enhanced site performance by **50%** through bug fixes and code optimization, demonstrating problem-solving skills
- Implemented robust testing with **Jest and React Testing Library** to ensure product stability and reliability.

Smarkt — Android Developer Intern (Java, Android Studio) · October 2021 - December 2021

- Built fragments and activities. Integrated APIs. Led the development of Profile Page. Fixed bugs and added buttons in app. Teamed up with 20 members to build the app.

PROJECTS

College Placement Portal ↗ — React, Node.js, Firebase

- Implemented **Firebase authentication** seamlessly across both client and server sides, ensuring robust role-based authorization and protected routes. Automates the placement process by **90%.**
- Engineered **RESTful APIs** utilizing **Node.js and Express.js**, while concurrently designing and implementing database schemas with **MongoDB** and **Mongoose**, leveraging **MongoDB Atlas** for secure and scalable data storage solutions.
- Deployed **Node.js** applicaton on **AWS EC2** and used **AWS S3** for file storage.

Event Management System ↗ — React, Node.js, MySQL, ExpressJs

- Full Stack Application, featuring JWT-based role authentication for enhanced security.
- Automated over 50% of event management tasks, significantly reducing workload for students and coordinators, improving operational efficiency.

EDUCATION

Acharya Institute of Technology — Bengaluru, India · August 2019 - June 2023

Bachelor of Engineering in Information Science and Engineering (CGPA 8.44/10.0)

SKILLS

Languages, Frameworks & Tools - Java ● JavaScript ● TypeScript ● HTML ● CSS ● React.js ● Next.js ● Node.js ● ExpressJS ● MongoDB ● Git ● GitHub ● Firebase

Others - Data Structures ● Algorithms ● Object Oriented Programming ● Database Management System ● Computer Networks ● Software Design ● Problem solving ● Communication

ACHIEVEMENTS

- 1st prize in Final Year Project- College Placement Portal
- 1622 Ratings on Codechef ↗
- 1925th Global rank in Google Kick Start 2022 Round B ↗
- 71/100 in qualification round and 6285th rank in 1st round of Google Code Jam 2022 ↗
- 3802th Global rank and 456935 pts in Google Hash Code 2022 ↗