ALOK KUMAR YADAV

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Education

Dr. APJ Abdul Kalam Technical University (AKTU)	November'21 – Present
Bachelor of Technology in Computer Science and Engineering	Ghaziabad, India

Experience

Optigrit   April'24 – Present

SDE Intern - Frontend

- Spearheaded the design and implementation of a **chat feature**, significantly increasing user interaction and communication capabilities by **30%**.
- Managed and optimized key web vitals including **LCP (<2.5s), FID (<100ms), and CLS (<0.1)**, ensuring outstanding site performance and user experience.
- Collaborated on the development of a loan application, optimizing both the **UI and transactional processes**, resulting in a **22%** improvement in user experience and operational efficiency.

BioMantra   October'23 – March'24

SDE Intern - Frontend   Certificate

- Played a pivotal role in the development of a cutting-edge website using ReactJS, Redux Toolkit, and Tailwind CSS, achieving **sub-3s** load times
- Collaborated with cross-functional teams to gather requirements and delivered high-quality code, resulting in a **20% increase in project efficiency**.
- Ensured scalable architecture implementation, resulting in a **25% improvement in website performance**.

Projects

CryptBee | React-JS, Redux-ToolKit, Tailwind CSS, React-Hook-Form, React-Toast,WebSocket | GitHub

- Developed CryptBee, a responsive dummy crypto trading app with **sub-3s** load times, integrated **JWT authentication** for secure access.
- Utilized React Router DOM for seamless navigation, **Redux Toolkit** for dynamic state management, and added **Two-Factor Authentication** for enhanced security.
- **Integrated WebSocket for live chart updates every 10 seconds** and **pipeline for real-time communication**.
- Improved UX by **15% with React-Toastify** for simulated real-time notifications.

Blogit | React-JS, AppWrite, Redux-ToolKit, Tailwind CSS React-Hook-Form | GitHub

- Created responsive blog app with React & Redux, achieving **sub-2s load times**, enhancing **user engagement by 30%**.
- Created a **scalable architecture** achieving **99.9% uptime**, accommodating exponential traffic growth, and maintaining stability during spikes.
- Utilized **Appwrite as the backend**, streamlining data management and enhancing server-side capabilities.

Movies-API | Go-Lang, gorilla/mux | GitHub

- Crafted a dedicated API in Go, specializing in efficient CRUD **(Create, Read, Update, Delete)** operations for data.
- Engineered a versatile API in Go, leveraging **MongoDB as the backend database**, specializing in CRUD operations for data.
- Engineered the Movies API for rapid response times, with **sub-110ms latency**, ensuring a seamless user experience for data retrieval and manipulation.

Skills

Programming Languages : C/C++, JavaScript, Go, Python (in order of proficiency)
Development and Frameworks : ReactJS Framework, Redux ToolKit, NextJs, Tailwind, HTML
Database & Tools : Git/Github, Appwrite, AWS, Figma, Canva, Ubuntu

Coding Profiles

- Rated **1081 on** Codeforces and **Highest rating 1469 (2*) on** Codechef