

Amaan Khan

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Experience

FACTWISE

Software Developer

June 2024 – Present

New York, USA (Remote)

- Built an end-to-end **procurement CRM** managing **buyers, sellers, and vendors**, automating 20+ workflows including lead capture, RFQ generation, negotiation tracking, and contract management, improving operational efficiency by **40%** and supporting **1000+ active users** through a scalable, API-integrated architecture.
- Implemented **permission management** for dashboards and reports, ensuring consistent role-based access control for individual and organization roles, while building various **B2B procurement modules** using **ReactJS** and **TypeScript**.
- Revamped API call handling with **Redux Query**, curtailing unnecessary requests by **40%** and elevating system responsiveness, which led to a **15%** decrease in average page load times. Refactored multiple pages to enhance code quality and resolved **30%** of existing bugs.

IIT PATNA

Machine Learning Intern

September 2023 – March 2024

Patna, India (Remote)

- Developed a task-offloading strategy for IoT edge devices using **LSTMs and Deep Reinforcement Learning**, reducing task drop rates by **22%** and lowering overall computational costs by **18%**
- Enhanced IoT decision-making efficiency by **optimizing for task delays, energy consumption, and network congestion**, which improved system throughput by **20%** and reduced latency by **15%**.

FEYNN AI

Machine Learning Intern

April 2023 – July 2023

Guwahati, India (Remote)

- Performed **market and customer segmentation using machine learning**, enabling targeted marketing strategies that improved campaign accuracy by 25% and boosted client sales revenue.
- Leveraged **advanced data analysis** to identify key trends and correlations, leading to a **15%** increase in quarterly sales by optimizing marketing strategies across global and local markets.

Education

Rajiv Gandhi Institute of Technology

BE COMPUTER ENGINEERING - 8.91 - Average

January. 2020 – May 2024

Mumbai, India

Technical Skills

Languages: JavaScript, Typescript, Python, C, C++, MySQL, Java, HTML/CSS

Technologies/Frameworks: React, NodeJS, Version Control, Redux, Material-UI, Firebase, Tailwind, TensorFlow

Libraries: React Hook Form, Redux Query, Zod, Jest, React Router, pandas, NumPy, Matplotlib

Developer Tools: Git, Docker, Postman, React & Redux Developer Tools, SQL Server Management Studio, VS Code, Npm

Projects

FoodHub: Real-time Food Ordering App | *React JS, Redux, Jest, Tailwind, Stripe, Unit Testing*

January 2024

- Implemented user authentication with restricted routing and dynamic location-based restaurant search**, integrating the **Swiggy API** to provide real-time restaurant listings, menus, and images using **REST API** principles.
- Developed advanced features including **real-time search, restaurant filtering, cart management, and Stripe payment gateway integration** to ensure a seamless and secure ordering experience.
- Optimized application performance by implementing lazy loading, and maintained high code quality with **100% integration and unit test coverage** using modern testing frameworks.

Grow More: AI-Based Video Analysis | *Python, TensorFlow, NLP, React.js, YouTube Data API*

March 2023

- Orchestrated an **AI-driven video analysis tool** using **Python, TensorFlow**, and **YouTube Data API** to optimize YouTube content by providing **customized recommendations** based on visual, audio, and caption analysis.
- Built an interactive **analytics dashboard** with **React.js** to consolidate **audience demographics, competitor analysis, and performance metrics**, empowering creators to make **data-driven content strategies**.

Publications & Achievements

- Published a research paper titled "Depression Detection Using Machine Learning" in the International Research Journal of Engineering and Technology (IRJET).
- Secured 3rd place out of 600+ participants in Codertine, a competitive programming contest hosted by Coding Ninjas.