AVIK MUKHERJEE

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EDUCATION

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY Kalyani, WB
Bachelor of Engineering Expected May 2025

WORK EXPERIENCE

DataFoundry AI. Remote
Software Engineer Intern Sept 2024 – Present
- Created a **JavaScript** script that allows automatic conversion of **CSV** data into **RDF triples** along with **nodes**.
- Implemented **Azure Data Factory pipelines** to dynamically process data from the **Database,** implementing **parameterized queries, Azure Blob Storage** and **real-time** monitoring to ensure efficient workflows.
- Worked with the Frontend team where my responsibility was to implement **Role-Based-Access-Control (RBAC)** by designing frontend-logic for access management**.**

Dank Remote
Mobile Developer Intern Nov 2023 – Feb 2024
- Led the development of features accounting for over **60%** of the application, and significantly improving its functionality and performance metrics.
- Collaborated with **cross-functional** teams to integrate new API's reducing application page load times by **40%** and enhancing overall application performance.

Auctopus Technology Remote
Frontend Developer Intern June 2023 – Aug 2023
- Implemented **Redux** state management which resulted in **20%** increase in application efficiency.
- Collaborated with **cross-functional** teams to integrate new API's reducing application page load times by **40%** and enhancing overall application performance.
- Implemented **Cypress** for automated application testing resulting in **50% reduction** in manual testing, thus **improving reliability**.

PROJECTS

CODEIDE (NextJS, ReactJS, NodeJS, ExpressJS, SocketIO, Docker)
- Developer a **Dockerized IDE environment** with **integrated terminal**, **session management**, and **file operations** for seamless coding workflows.
- Implemented a **proxy server** to handle client connections and requests, ensuring secure and efficient communication between containers.
- Developed NodeJS Backend for real-time code execution, while integrating **Socket.IO**, and **PTY.js** for terminal emulation and code execution

ANIMESTREAMER (ReactJS, Zustand, React-Query, ConsumnetAPI)
- **Designed and developed** a scalable anime streaming application using **ReactJS** and **ReactQuery** for optimized performance.
- Integrated **local storage** with Zustand for state management and utilized **ConsumeNet API** to fetch real-time anime data from multiple servers like **GogoAnime** and **VidStreaming**.

Payment Template Package (NodeJS, TypeScript, RazorPay, Stripe)
- Created a **command-line interface (CLI) tool** for **adding payment method templates (Stripe, Razorpay)** to backend projects**,** streamlining **payment integration processes** and adding authentication setup files.
- Enabled rapid integration of **payment services** with simple commands, **enhancing** developer workflows for backend Express.js projects.
- Achieved **600+ users** in its lifetime.

Resume Worth Analyzer (NextJS,Groq, Llama, PDF.JS)
- Developed a web application using **Groq API** for **AI-driven** insights, providing users with suggestions to make their resumes even better or they can **roast** their own resume as well.
- Integrated **pdfjs-dist** for parsing and extracting information from PDF resumes, while utilizing TailwindCSS and **Shadcn UI** for a responsive and user-friendly interface with engaging animations.
- Achieved **700+ users** in its lifetime and still growing.

VOLUNTEER EXPERIENCE

GDG MAKAUT Remote
Community Lead 2023 – 2024
- Collaborated with various teams to conduct over **10+** events, engaging over **300+** students which directly contributed to an increment in technical awareness by **30%**.

REPL DEVS Remote
Web Developer 2022 – 2023
- Collaborated with the web development team on ongoing website enhancements; ensured continuous functionality which directly contributed to an increased user engagement rate estimated at over 20%.

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, Java, Swift
- **Frameworks:** Express.js, React.js, Next.js, React Native, Redux, SwiftUI, Vite, Playwright, Cypress, Jest
- **Cloud & Platforms:** Azure, Linux, OSx
- **Runtimes:** NodeJS, Bun
- **ORM and Database:** Prisma, Drizzle, Mongoose, PostgreSQL, MySQL, SQLite, MongoDB

- **Tools:** Docker, Git
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management