

KUSHAL DAS

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Github ✦ Leetcode ✦ LinkedIn ✦ GFG

Software Engineer | Web and App Developer

Education

- **Jadavpur University**, *B.E. Computer Science and Engineering(with Hons.)* | CGPA: 8.83 2020-24
- **Hem Sheela Model School**, *Higher Secondary Education, PCMB* | 12th Board: 96.8% 2018-20

Experience

- **Wells Fargo**, *Software Engineer* | Hyderabad Aug 2024 - Present
 - Contributed to the development of the **Foreign Exchange Online (FXOL)** platform within **CCIBT**, delivering secure and scalable banking solutions.
 - Developed and maintained customer-facing microfrontend components using **React.js**, and automated workflows with **BDD (Gherkin)**, improving UI consistency, reliability, and reducing manual effort.
 - Engineered high-risk change tracking and audit logging solutions by integrating **Spring Boot** backend with **JavaScript** frontend, strengthening compliance and operational transparency.
 - Supported enterprise migration to **OpenShift (OCP)** and validated system performance with **AppDynamics**, while prototyping automated UI testing using **Playwright** to expand coverage and reduce regressions.
 - Delivered large-scale refactoring, authored specifications, and prototyped a **RAG-based GenAI chatbot**, enhancing maintainability, scalability, and enabling context-aware enterprise responses.
- **Wells Fargo**, *Tech Intern Analyst* | Bangalore (Certificate) May - July 2023
 - Accelerated business growth at **Wells Fargo** by analyzing customer data and delivering actionable insights.
 - Built and deployed a comprehensive data analysis tool with an interactive dashboard to support trader decision-making.
 - Developed a visualization dashboard using **ReactJS** (frontend) and **Flask** (backend), featuring **Seasonality Analysis**, **Volatility Analysis**, and **Customer & Currency Profiling**.
 - Leveraged **Chart.JS** for advanced visualizations, implemented unit tests with **Vitest**, and utilized **Git** for efficient version control and collaboration.

Personal Projects

- **EthiCheck.AI: Safeguarding LLM Response** (Link) February 29, 2024 - April 17, 2024
 - Developed a Safe Guard for LLM chat bots incorporating automated rule creation from **EU AI Act**, **GDPR**, etc., forming **knowledge graph** via the Rule registration pipeline, which can be modified by admins. It includes Query pipeline for processing user queries.
 - Includes risk-based alerting and provides user-wise analytics for real-time monitoring on the admin dashboard.
 - Technology: **React**, **shadcn/ui**, **Flask**, **Azure(Cosmos DB, Blob Storage)**.
- **TasteTrack: Location-Based Meal App** (Link) October 10, 2023 - October 24, 2023
 - Engineered a modern meal booking app with **Sanity.io** as the backend and **NativeWind** for responsive, scalable styling.
 - Integrated **React Native Maps** to enable location-based restaurant discovery using latitude and longitude coordinates.
 - Technology: **React Native**, **TailwindCSS**, **Sanity.io**, **React Native Maps**.
- **Survey on Persistent Data Structures** (Link) December 01, 2021 - January 01, 2022
 - Researched, analyzed and implemented optimised algorithms for persistent stacks, queues, trees & linked list in a team of 5 members under the guidance of Prof. Chandan Mazumdar, CSE JU.
 - Implemented the **persistent stack** part.
 - Technology: **C/C++**.

Technical Skills

Languages: C/C++, Python, Javascript, Java, Go

Frameworks and Software: ReactJS, React Native, ExpressJS, NodeJS, Chakra.UI, TailwindCSS, MySQL, MongoDB, Spring Boot, Flask, Docker, Git, Jenkins

Relevant Coursework: Data Structures and Algorithms, Operating System, Object Oriented Programming, Database Management System.

Certifications: Advanced React (Meta), Mastering Data Structures & Algorithms using C and C++ (Udemy)

Achievements

- **KnackToHack Hackathon Winner** by **M&G Global Services Pvt. Ltd.** out of 2300+ teams | May 17, 2024 (Link)
- **Leetcode Profile** solved more than **1300 problems** and got their **T-shirt** | August 27, 2023 (Link)
- **Google KickStart Round A** Rank: **5k (Global)** | August 01, 2022 (Link)
- **WBJEE** Rank: **142** out of **1 lakh+ candidates** | August 07, 2020
- **JBNSTS Junior Scholar** out of **1 lakh students** | November 01, 2018 (Link)