

Education

Indian Institute of Technology Dharwad

Bachelor of Technology

2021 – 2025

CPI: 8.15

Experience

Quantlytix Pvt. Ltd

Software Development Engineer

January 2025 – Present

Remote

Client: Kraft Heinz

- Contributed to the **Connected Worker Platform (CWP)**, a full-stack application used by frontline workers, by developing and enhancing admin modules
- Designed and implemented end-to-end features across frontend (**React, Next.js**) and backend (**Python, FastAPI**), enabling configurable operational workflows for plants, areas, lines, and equipments.
- Built admin-driven configuration systems, allowing dynamic reuse of operational settings within the main CWP ecosystem.
- Developed role-based task assignment workflows, improving allocation and tracking efficiency for trainers, trainees, and managers.
- Improved performance and scalability by transitioning from a no-code tool to a custom stack (**React, Next.js, FastAPI, MS SQL Server**), reducing page load times by **80%** (from 10s to 2s) and API response times to under 200ms, significantly enhancing user experience.
- Collaborated with cross-functional teams to deliver production-ready features, ensuring reliability and seamless adoption by internal users.

Client: Maersk

- Contributed to the Vessel Master Data (VMD) portal by introducing a new vessel status feature — **Prospect** — and developing REST APIs using **Java, Spring Boot microservices**.
- Implemented frontend enhancements using **React**, optimizing component performance and resolving state management issues.
- Collaborated with the team to fix backend issues, enhance data consistency, and streamline integration workflows across services.
- Improved system maintainability by addressing security vulnerabilities, performing code migration, and upgrading to the latest Java and Spring Boot versions.
- Worked on data transfer pipelines between modern and legacy systems using Kafka message queues and internal tools, enabling reliable asynchronous communication.

Infosys

Specialist Programmer Intern

November 2024 – January 2025

Hubli

- Contributed to full-stack development using Java Spring Boot (microservices) and React for building RESTful web applications.
- Processed MODIS L1B to L2 satellite data using Python, focusing on scientific data transformation and automation.

CodeUnity Technologies

SDE Intern

July – August 2024

Remote

- Constructed a WebSocket server for message handling using Kafka and RabbitMQ as message brokers, with TypeScript enhancing code quality and maintainability.
- Optimized deployment processes using Node.js and Docker, leading to a reduction in deployment time and ensuring seamless integration and efficient containerized operations.
- Worked on MongoDB change streams to monitor real-time database changes and integrated these updates into Google BigQuery for advanced data warehousing and analytics.

Skills

Languages: C, C++, HTML/CSS, JavaScript, TypeScript, SQL, Java, Python.

Frameworks/Libraries: Node.js, Express.js, React.js, Bootstrap, Spring, Spring Boot, Fast API .

Databases: MongoDB, PostgreSQL, MySQL, Microsoft SQL Server.

Tools/Platforms: VS Code, Eclipse, SSMS, Git, GitHub, Postman, Bruno, Docker

Technologies: Microservices, REST APIs.

Projects

R&D Project under Professor Rakesh Lingham - Indian Institute of Technology Dharwad

Aug - Nov 2023

- Automated SolidWorks software for incremental forming using VBScript and C++, combining mechanical design and computer science techniques to reduce manual effort.

Blood Bank System

Apr - Jun 2023

- Created a comprehensive Blood Bank Management System using the MERN stack.
- Enabled authorized users (administrators, organizations, donors, and hospitals) to securely access blood donation records and inventories.
- Implemented role-based access control to ensure each user type accesses only relevant data and functionalities.
- Used MongoDB for data storage, Express.js for RESTful APIs, React.js for UI, Node.js for server-side logic, and JWT for secure authentication.