

SUBROTO KOIRY

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Work Experience

Hikify Digital Solutions

10/2024 – Present

Frontend Developer Intern

Remote

- Solely developed the frontend for **PaperSwift: Secure Automated Question Paper Management System**, to streamline question paper workflows, improving efficiency by **30%**.
- Utilized **React.js** to develop and integrate approximately **10+ APIs**, leveraging Swagger UI documentation to ensure efficient and accurate implementation

Education

JSS Science & Technology University , Mysuru

2021 - 2025

B.E. in Computer Science and Business Systems

9.185

Projects

QGen : React.js , Redux , Tailwind Css , SQL , Docker, GCP storage

[Source Code](#)

- A web platform for teachers and students to upload PDFs and automatically generate structured questions, reducing manual question creation time by **40%** and featuring options to select question types, marks and difficulty levels.
- Implemented Redux for state management, achieving a 50% increase in user interaction efficiency and consolidating backend communication into one API request.
- Contributed in writing **20+** optimized SQL queries and containerized the application, improving deployment speed by **30%** using **Docker**.

Unified Healthcare Solutions (UHS) : React.js , Node.js , MongoDB

[Source Code](#)

- An ongoing group project aimed at creating an **ecosystem for patients, hospitals, clinics, and pharmacies**.
- A healthcare solution offering **appointment bookings, symptom analysis & recommendations, time predictions, medical record storage, nearby hospital access**, and an interface for doctors & clinics to manage resources.
- Engineered and implemented **30+ APIs** using System Design principles aiming to reduce appointment scheduling time by **40%**.

TalkBook: NodeJs , Express , MongoDB , ReactJs , Socket.io

[Source Code](#)

- Built a real-time chat web app featuring user **registration, login, and seamless communication amongst the users**.
- Dockerized** the app and implemented **CI/CD** with **GitHub Actions**, reducing build time by **70%** and Hosted it on **EC2**.

IEEE-SJCE: React.js

[Source Code](#)

- Designed the **UI/UX** and built the official website of IEEE-SJCE with around **300 active users**.
- The website showcases regular club events and essential details, adorned with engaging animations and designs for enhanced appeal.

Technical Skills

Languages : JavaScript , Java , SQL

Web Skills : NodeJs , Express , ReactJs , MongoDB , SQL , Tailwind Css , JavaScript , HTML

Familiar With : AWS,GCP, Git ,Linux ,DevOps concepts

Developer Tools: Docker,Kubernetes,Github,Postman

Achievements/Responsibilities

Coding Competition & Mock Placement Drive

2nd Prize

- Grabbed **2nd Prize** at **Coding Competition & Mock Placement Drive** amongst **50 participants** conducted by Programming Community Club

Chairman - Computer Society of India

07/2024 – Present

- Led a team of 52 members to organize technical events and workshops on campus year-round.

WDB Chairperson - IEEE-SJCE

07/2024 – Present

- Directed the development of the IEEE-SJCE website, resulting in a 40% increase in user engagement.

Hackathons

LaunchHacks 2023

[Source Code](#)

- Formulated a **FoodComparator**, a website that scrapes data from top Indian platforms like Swiggy, Zomato, and EatSure to recommend the best food options, increasing user satisfaction by **30%**

Hobby

- Kabaddi
- Cooking
- Public Speaking