

# SUBROTO KOIRY

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## Work Experience

### Hikify Digital Solutions

10/2024 – Present

Frontend Developer Intern

Remote

- Solely developing the frontend for **PaperSwift**, a secure question paper management system, using **React.js** and **ShadCN** UI library, implementing 10+ APIs with efficiency and accuracy via Swagger documentation.

## Education

### JSS Science & Technology University , Mysuru

2021 - Present

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 **60%** and featuring options to select question types, marks & 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 **10+** 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 , AWS , GCP , Git, Linux

**Developer Tools :** Docker, Kubernetes , Github

**Coding Platforms :** [Leetcode](#)

## 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%**