

Syeda Heena Kousar

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SYEDAHEENA - LeetCode Profile <https://share.google/2StQaKqpdNd94nuh0>

PROFILE

Software Developer with 1+ year of experience building scalable, responsive, and high-performance web applications using React.js, JavaScript (ES6+), HTML5, CSS3, and REST APIs. Hands-on experience delivering production-grade UI solutions at C-DAC Bangalore, including a Quantum Network Simulator. Strong expertise in component-driven architecture, state management, drag-and-drop interfaces, canvas rendering, and performance optimization. Collaborative team player with experience in Agile methodologies, Git, and cross-functional development.

EXPERIENCE

Software Developer | C-DAC Bangalore

April 2025 – April 2026

Project: Quantum Network Simulator (Web-based Visual Tool)

- Architected a visual circuit design interface using React.js and React Flow, enabling users to build quantum circuits on an interactive canvas.
- Engineered a grid-based drag-and-drop system for seamless component placement and real-time edge connections.
- Developed dynamic property panels and state-driven UI updates to manage complex configurations efficiently.
- Improved frontend performance by optimizing rendering logic and integrating html-to-image functionality for high-resolution exports.
- Built reusable UI components and ensured responsive design across devices.
- Integrated REST APIs for secure authentication and user data management in an Agile environment.

Frontend Developer | Vaishali Tech

Dec 2024 – March 2025

Projects: E-commerce, Restaurant Landing Page, Accommodation Booking

- Developed responsive and modular UI components using React.js, JavaScript (ES6+), HTML, CSS3.
- Implemented Redux Toolkit for global state management, reducing code complexity and improving app scalability.
- Integrated multiple REST APIs using Fetch with proper loading, error states, caching, and data handling.
- Reduced UI load time by 30% using optimized rendering.
- Improved API response handling efficiency by 25%.

SKILLS

Frontend Technologies: React.js, Material UI (MUI), Tailwind CSS, Bootstrap, HTML5, CSS3, JSX, JavaScript (ES6+), DOM, Responsive Design, Vite, React Testing Library, RESTful APIs, React Hooks, Context API.

Libraries & Database: Git, REST Framework, React Flow, django, Sql.

Programming: Java, Python, JavaScript, C, C++, Machine learning, DSA.

PROJECTS

Driver Drowsiness detection , Machine learning with python

12/2022 – 05/2023

Tech Stack: Python, OpenCV, Machine Learning, NumPy, Haar Cascade.

- Developed a real-time driver monitoring system to detect drowsiness using webcam input.
- Implemented facial landmark detection and eye aspect ratio analysis to classify eye states (Open/Closed) and trigger alert mechanisms for accident prevention.
- Utilized image processing and machine learning techniques for accurate detection.

NGO Management System, Role: Front-End & Back-End Developer

06/2022 – 08/2023

Front-end: HTML, CSS, React

Back-end: Django, SQL.

- Designed responsive user interfaces for managing donors and volunteers.
- Developed REST APIs using Django for CRUD operations.
- Integrated MySQL database for efficient data handling.
- Built a secure admin panel to monitor NGO activities.
- Implemented fund tracking system to improve transparency.
- Reduced manual data handling through automation of workflows.

CERTIFICATES

Python Online Training – Besant Technologies (2023) 

Quantum Computing and Algorithm - Centre for Development and Advance Computing (2025) 

TakeltSmart (2022) - Machine Learning and Deep Learning Specialization

EDUCATION

BE-Computer Science Engineering, University BDT College Of Engineering. Aug 2023

Percentage-71%