Mustafa Shaik

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EDUCATION

Chaitanya Bharathi Institute of Technology   Proddatur

B.Tech in Computer Science and Engineering, CGPA − 7.2/10   *Sep 2014 - Apr 2018*

EXPERIENCE

United Wireless Technologies Pvt Ltd, *Frontend UI Developer*   Feb 2023 - Present

- Developed responsive and user-friendly web interfaces using modern frontend frameworks like React.js and HTML, CSS, JavaScript
- Translated UI/UX design wireframes into high-quality code ensuring pixel-perfect implementation.
- Built reusable components and front-end libraries for future use, optimizing performance and scalability.
- Integrated RESTful APIs and handled asynchronous data fetching using Axios / Fetch / React Query.
- Implemented responsive design principles using Flexbox, CSS Grid, and media queries for cross-device compatibility.
- Ensured cross-browser compatibility, accessibility (WCAG), and performance optimization (Lighthouse, Core Web Vitals).
- Used version control tools like Git and participated in code reviews and agile development practices (Scrum, Kanban).
- Collaborated closely with UX/UI designers, product managers, and backend developers to deliver cohesive and accessible user experiences.

Sai Rajeswari Institute of Technology, *Programmer*   Mar 2020 - Apr 2021

- **Database Management:** Designed and maintained structured and unstructured databases using **MySQL**, **PostgreSQL**, and **MongoDB** to efficiently store and retrieve experimental data, metadata, and research findings. Implemented indexing, optimized queries, and ensured data integrity and backups.
- **Technical Collaboration**: Worked closely with researchers and lab teams to deliver custom technical solutions using **Python**, **R**, and **Jupyter Notebooks** for data processing, and **React.js/Node.js** for building internal tools and dashboards, improving lab productivity and data accessibility.
- **Mentorship & Support**: Mentored students in **C, C++, Java**, **Git/GitHub**, **Linux**, and data analysis tools like **Pandas**, **NumPy**, and **Matplotlib**. Assisted with resolving technical queries and conducted training sessions to support academic and professional development.
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PROJECTS

Services Eligibility System | MERN Stack**.**

Integrated Health Plan Exchange for Rhode Island State Citizens

- The objective of the project is to implement a fully integrated Health Plan Exchange and Integrated Eligibility System for Rhode Island state citizens.
- Involved in gathering the requirements, analysis, design & development of the project.
- Collaborated with cross-functional teams to gather requirements and translate them into intuitive and responsive web interfaces.
- Participated in analysis, UI/UX design, and frontend development of scalable web applications.
- Developed reusable components and interactive web pages using JavaScript/TypeScript and modern frontend frameworks (e.g., React).
- Implemented frontend architecture following MVC/MVVM patterns for maintainable and modular code structure.
- Integrated RESTful APIs and handled dynamic data rendering using state management tools (e.g., Redux, Context API, etc.).
- Collaborated during System Integration Testing (SIT) and User Acceptance Testing (UAT) phases to resolve frontend-related defects and ensure smooth deployment.

Auto Configuration Server (ACS) | MERN Stack**.**

*platform to manage remote devices (CPEs) over broadband networks using **TR-069-like logic***

- Developed scalable and secure **RESTful APIs** with **Express.js** and **Node.js** for handling device registration, status updates, and diagnostics.
- Designed and implemented a responsive **React.js frontend** dashboard for administrators to monitor, control, and troubleshoot connected devices.
- Integrated **WebSockets** (via Socket.IO) for real-time communication between ACS and CPEs, enabling instant command dispatch and response.
- Structured and optimized device metadata and operation logs using **MongoDB**, supporting efficient querying and analytics.
- Collaborated on **CI/CD integration**, Dockerized backend services, and contributed to code reviews using Git and Agile workflows.
- Fixed critical bugs and optimized request handling logic, resulting in a **30% improvement in API performance**.

TECHNICAL SKILLS

- **Frontend**: React.js, HTML5, CSS3, JavaScript (ES6+), Tailwind CSS, React Router, Redux, Figma

- **Backend**: Node.js, Express.js, MongoDB, Mongoose, JWT, REST API

- **Tools**: Git, GitHub, Visual Studio Code, Postman, PowerBI

- **Concepts**: MVC/MVVM, Responsive Design, CRUD, API Integration, Authentication (JWT, OAuth)

- **Others**: Agile (Scrum/Kanban), Lighthouse, Web Accessibility (WCAG), Core Web Vitals