

Akshar Patel

Dallas, Texas, United-States | ☎ 682-561-9260

Work Auth. – US Citizen

patel.akshar246@gmail.com

| <https://www.linkedin.com/in/akshar-patel-180608199/>

| <https://akshar-patel-portfolio.herokuapp.com/>

EDUCATION

Bachelor of Engineering in Computer Science

The University of Texas, Arlington.

May 2022

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, HTML, CSS, Python, C#, C, C++.

Web Frameworks: ReactJS, Redux, Angular, React Native, NodeJS, Express, Rest API, react-bootstrap JSX, XML.

Database Technologies: SQL (MySQL, SQLite, Oracle), NoSQL (Mongo DB, Firebase).

Miscellaneous Technologies: Spring Framework, WPF, Jenkins, Git, Visual Studio, VS Code, Android Studio, Eclipse, Git, MATLAB, MS Office, MacOS, Windows, Ubuntu, python libraries (Pandas, NLTK, NumPy, Matplotlib, SymPy, sklearn), ntw. prot. (TCP/IP, UDP, HTTP, HTTPS, FTP)

Courses: Object-Oriented Programming, DS and Algorithms, Theory of Computation, AI, Database (RDBMS), Fundamentals of Software Engineering, Prog. Fund. (Java).

EXPERIENCE

Mayo Clinic [Software Developer Intern, full-time - Rochester, MN]

Jun 2021 – Dec 2021

Cardiology health data management tool [ReactJS developer]

- Experienced working with Redux for centralized state management, built forms (custom as well as using Formik), utilized custom/in-built hooks, built Rest APIs and making http requests using axios/fetch, handling promises, etc.
- Built reusable react components for cardiology data tracking tool in an Agile SDLC setting in multiple sprints.
- Worked with component level UI styling libraries like styled, react-bootstrap, materialize. Wrote test cases with jest and enzyme testing libraries. Collaborated on enhancements, debugging, solved defects and reviewed pull requests.
- Utilized Azure for scrum-based activities, backlog tracking, deployment, and code reviews.
- Actively participated in daily scrums, sprint planning meetings, unit meetings, scope discussions with Business Analysts and all development cycles (architecture, analysis design, development, debugging, testing & deployment).

Server Monitor Tracking System [Environments: WPF, C#, XAML]

- Designed and developed dynamic WPF windows desktop application for continuous and live server status checking. Experienced working in waterfall like development approach. Excelled in building customized reusable templates with data binding properties. Implemented live responsive data fetch features through asynchronous programming in C# and worked with fetching, modifying and adding data to cloud servers through API calls.

ACADEMIC PROJECTS [GitHub: <https://github.com/aksharpatel123>]

Univent [Full Stack MERN application – MongoDB, Express, React, NodeJS]

- Developed cross-browser compatible interactive web application using the MERN stack and react-bootstrap for UI design for university students to browse and take part in university events and organizations. The user base is divided into 2 categories which are students and admins (both with different level of accessibility and UI).
- Designed and developed modular and reusable Restful APIs (endpoints on the backend using Node and Express). Worked with data binding, routings, forms and other core React features. Used Postman to test API and endpoints created in Node.
- Built frontend functional components such as navbars, carousels, cards, search (customizable searches), filters, form components (input fields, buttons, dropdowns), etc. Built NodeJS backend controllers, middleware and routes.
- Designed Database schemas for all application components data and mapped relations across MongoDB documents.

TraderBot [Android mobile application – Java, XML, Android Studio, Python]

- Developed an android stock market advising application. Utilized Java for backend services and XML to design the UI. Used Firebase real-time database. Fetched and parsed stock data from an external Rest API using python. Built dynamic charts for real stock prices using python matplotlib, tracked prices of user's watch listed stock and sign in authentication.

Zero Carbon [iOS mobile application – React Native, JavaScript, JSX]

- Built an iOS cross platform application with react native with an attempt to introduce a new crypto currency called zero carbon. Built UI screens components, managed states, hooks, event handling and used stylesheets for frontend design.