+1 682-561-9260

# Akshar Patel

Portfolio: https://akshar-patel-portfolio.herokuapp.com/

Email: patel.akshar246@gmail.com

Dallas, Texas, United-States

Work Auth. – US Citizen

LinkedIn: https://www.linkedin.com/in/akshar-patel-180608199/

## EDUCATION

**Bachelor of Engineering in Computer Science**                              June 2022

The University of Texas, Arlington.

## TECHNICAL SKILLS

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

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

**Database Technologies**: SQL (MySQL, MySQL Workbench, SQLite), 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 (NumPy, Matplotlib, SymPy, sklearn, pandas), 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, Data Mining, Linear Algebra for CS, Operating Systems, Prog. Fund. (Java), Engineering Probability & Stats, Soft.Proj.Mgmt.

## 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.

## PROJECTS [GitHub: https://github.com/aksharpatel123]

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

- Developed cross-browser compatible interactive web application for university events using the MERN stack and react-bootstrap for UI design. The user base is divided into 2 categories which are students (they are able to browse through all events taking places on campus and look for different clubs/orgs and apply to clubs that interests them) and the admins (are able to manage the content like adding more events or clubs, admitting students to clubs etc.).
- Designed and developed modular and reusable Restful APIs (endpoints on the backed with the help of Node and Express). Worked with data binding, routings, forms and other graphic related and core React/Node features.
- 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.
- Along with development, gathered and maintained all project related documentations like SRS, architecture specification document, user stories, technical application requirements, etc.
- Designed Database schemas for all application components data and mapped relations across MongoDB documents.