

MUSKAAN SHAIKH

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EDUCATION

Master of Science in Computer Science, University at Albany

Jan 2023 - May 2024

GPA: 3.92 / 4

Relevant Coursework: Software Engineering, Algorithms & Data Structures, Database Systems, Data Mining

Recognition: Outstanding Masters's Capstone Award

Bachelor of Engineering in Information Technology, Mumbai University

Aug 2016 - Oct 2020

GPA: 9.71 / 10

Relevant Coursework: Project Management, Data Structures and Analysis, Database Management System

Recognition: Certificate of Excellence for securing first rank

SKILLS

Programming Languages Javascript, Typescript, Python, GraphQL

Web Development ReactJS, NextJS, NodeJS, ExpressJS, HTML, CSS

Libraries & Frameworks React Native, Tailwind CSS, Material UI, Open AI, Jest, Axios

Tools & Platforms GitHub, Docker, Figma, VSCode, Postman, Selenium, PostgreSQL, MongoDB, Cognito, S3, EC2

EXPERIENCE

Software Engineer, Solvitute Pty. Ltd.

Jan 2021 - Aug 2022

- Developed a **ReactJS** based enrolment platform incorporating a key feature of dynamic form development with JSON-driven specifications leading to 80% reduction in time and efforts for developing new forms.
- Built a **mobile application** catering to variant form needs of users, expanding the platforms reach, accessibility, and usability.
- Implemented **lazy loading, conditional rendering, and code splitting** resulting in a noteworthy 70% reduction in load time.
- Designed and implemented **RESTful APIs** for endpoint CRUD operations.
- Created rigorous **Jest test cases** for API testing, ensuring robust functionality and reliable API performance.
- Crafted a solid **design system** to enforce consistency across the application and enhance the overall user interface.

Independent React Developer, Arham Labs

May 2022 - July 2022

- Integrated **Google SSO** to automate new employee onboarding process that resulted in 90% reduction in setup time.
- Formulated and implemented strategic improvements on the UI leading to more **intuitive user experience**.
- Played a pivotal role in **migrating legacy code** to modern frontend frameworks, increasing maintainability and performance.

Independent React Developer, Early Startup

Aug 2021 - Oct 2021

- Built a dynamic food ordering UI by **translating Figma designs** into customizable and scalable **Material UI elements**.
- Engaged directly with client to discuss and brainstorm project requirements, scope, and technical specifications.
- Integrated **Context API** to share user preferences and order details across any component of the application.

PROJECTS

LEAPs [OpenAI API, NodeJS, AngularJS, Common Agent Architecture]

Jan 2024 - May 2024

An innovative **AI-partner system**, designed for seamless integration with prevalent **Learning Management Systems (LMS)** and **GenAI interfaces**. Powered by **Common Agent Request Broker Architecture**, the multidimensional agent fosters smooth tool exchange and customization.

KB Student Dashboard [ReactJS, Python, spacy, Natural Language Processing]

Aug 2023 - Dec 2023

Analytics dashboard to track student progress and analyse word usage, providing students and educators with concise insights into academic performance.

DocXtract: [React Native, ReactJS, TailwindCSS, Algorithm Development]

Jan 2023 - May 2023

Service which allows users to capture an image of their document, where their **handwriting is converted to text and stored in a database of responses** for the organiser to view and query.

EXTRA-CURRICULAR ACTIVITIES

- Teaching Assistant**, University at Albany

Aug 2023 - May 2024

Designed and conducted **web development lab sessions on MERN stack**. Facilitated dedicated sessions for graduate students to provide **technical expertise on software development projects**.

- Student Assistant**, University at Albany

Mar 2023 - Aug 2023

Led the software engineering lab to architect and construct an admission application processing system to **automate decision making in the academics sector**. Developed a **Python-based ETL algorithm** to extract and translate course grades from scanned transcripts, leading to an **optimised academic review processes**.