

Muskaan Shaikh

muskaan.mysa@gmail.com ❖ (518) 334-9146 ❖ Atlanta, GA ❖ [Portfolio](#) ❖ [LinkedIn](#) ❖ [GitHub](#)

EDUCATION

University at Albany

Master of Science, Computer Science

- **GPA: 3.92/4.0** | *Outstanding Master's Capstone Award*

May, 2024

Albany, NY

University of Mumbai

Bachelor of Engineering, Information Technology

- **GPA: 3.88/4.0** | *Department Topper*

October, 2020

Mumbai, India

SKILLS

- **Programming Languages:** Javascript, Typescript, HTML, CSS, Python, GraphQL
- **Libraries & Frameworks:** ReactJS, NextJS, AngularJS, NodeJS, React Native,, OpenAI, Jest, Tailwind, MUI
- **Tools & Platforms:** Git, Docker, Figma, Postman, Selenium, PostgreSQL, MongoDB, AWS, JIRA

WORK EXPERIENCE

University at Albany

Software Engineer | September, 2024 – Present

Mar. 2023 – Present

Remote

- Developed an automated academic decision-making tool using pattern matching algorithm and NLP to extract critical data from students' documents and present them in an easy-to-review format for admission staff.
- Separated filtering logic from endpoint processing with GraphQL middleware resulting in 75% efficient queries.
- Built an AngularJS based rating system for an educational tool to ease the assessment and feedback process.
- Reduced manual efforts for existing assessment files by 99% by developing a bulk rating upload feature.
- Customised an existing extension to create a PDF citation technique with accurate source attributions.
- Improvised a search feature with complex search criteria to achieve an 80% increase in note retrieval efficiency.

Software Developer & Teaching Assistant | March, 2023 – May, 2024

Albany, NY

- Led the development of over 5 projects using React, Angular, and NodeJS for the software engineering lab.
- Worked on 10+ features in a legacy AngularJS 1.x codebase while ensuring compatibility with new integrations.
- Resolved over 25 critical bugs affecting core functionalities resulting in reduced user reported issues by 40%.
- Designed scalable layouts using TailwindCSS and MaterialUI to improve UI development efficiency by 50%.
- Automated workflows with Docker containers for consistent environments and faster developer onboarding.

Solvitude Pty. Ltd.

Software Engineer

Jan. 2021 – Aug. 2022

Remote

- Built a scalable enrollment platform, reducing form development time by 90% with JSON-driven specifications.
- Optimized load time by 70% using lazy loading, conditional rendering, and code splitting.
- Designed RESTful APIs using OpenAPI Specification (Swagger) for over 5 microservices across 2 projects.
- Established CI/CD pipelines on AWS for efficient and consistent deployment process.
- Curated comprehensive Jest test cases to ensure robust API functionality and reliability.
- Performed quality assurance tests to achieve 100% cross-browser compatibility and mobile responsiveness.
- Created a design system to improve UI consistency and code maintainability among a team of 5+ members.
- Facilitated Agile practices with sprint planning and retrospectives in JIRA to deliver 10+ user stories per sprint.

PROJECTS

- **LEAPS:** AI-partner system integrating the OpenAI API into an educational tool to deliver personalized learning experiences.
- **KF Student Dashboard:** Analytics dashboard to track student progress and analyze word usage.
- **DocXtract:** Service that converts handwritten text from document images into digital text.