

MUSKAN SHAH

(706) 332-8815 | shah.muskan3000@gmail.com | www.linkedin.com/in/muskan-shah-57b904164

SUMMARY

Passionate software engineer currently pursuing a master's degree in Software Engineering, adept at crafting user-centric web applications. Eager to contribute technical expertise in functional testing and documentation processes in a collaborative environment

EDUCATION

Rochester Institute of Technology(RIT)
MSc in Software Engineering (GPA:3.78/4.0)

Rochester, NY
Expected May 2025

Gujarat Technological University
BTech in Computer Science Engineering (GPA:3.55/4.0)

Ahmedabad, India
May 2023

EXPERIENCE

Software Engineering Intern, CNS TECHS | Surat, India

Jan 2023 - May 2023

- Synchronized with cross-functional teams, encompassing UX designers, back-end developers, & product managers, to deliver responsive & user-friendly websites following Scrum methodologies
- Enhanced database query performance & resolved browser compatibility issues skillfully, showcasing strong debugging abilities while utilizing Chrome DevTools
- Employed innovative techniques like lazy loading & asynchronous programming to achieve a significant 15% decrease in page load time
- Utilized JavaScript, CSS3, & HTML5 to craft interactive web features with React, elevating aesthetics & driving significant website traffic growth

PROJECTS

Nightclub | React.js, flask, python, PostgreSQL

- Demonstrated full-stack proficiency by spearheading the development of a dynamic web application for nightclub management using React.js, Python, & PostgreSQL
- Crafted & executed a CRUD system utilizing Python for club card management to overcome integration challenges, resulting in improved data efficiency & user accessibility
- Engineered dynamic color scheme adjustments on club cards using HTML/CSS/JavaScript & React.js, enhancing user engagement through real-time response to nightclub occupancy data.
- Elevated user retention by incorporating location-based filtering into nightclub search, elevating user experience & application usability

Paper Reviewing System | JavaScript, CSS, HTML, Node.js, MongoDB

- Incorporated an efficient paper submission & grading workflow by utilizing UML & data flow diagrams implemented through Lucidchart
- Administered project management skills to deploy an intelligent reviewer assignment algorithm, optimizing paper-reviewer matching for enhanced efficiency
- Devised & implemented a multi-reviewer system to drastically reduce review times through parallel processing & load balancing
- Scrutinized & implemented a review validation system with peer review & consensus algorithms to foster high-quality feedback, enhancing peer collaboration & project/team decision-making

Nutrition Tracker | React.js, Python, MongoDB

- Integrated ChatGPT API using Python and JavaScript for personalized diet plans, demonstrating NLP application
- Created a tracker for monitoring calories, food intake, water consumption, & weight using Python to facilitate achieving nutritional balance goals
- Achieved 96% code coverage with extensive unit tests for CRUD operations, using sinon for stubbing and mocking
- Restructured backend code to boost testability and data integrity with modular functions, improving data reliability through testing and code readability

Housing Services | JavaScript, Node.js, MongoDB

- Designed a user-centric housing services platform, demonstrating expertise in real-time data handling and user interaction.
- Established a streamlined system to facilitate user assistance requests & provider acceptances, showcasing efficiency & effectiveness in real-time data management and engagement process.
- Built a feature for forecasting service provider arrival, resulting in a significant enhancement of user satisfaction
- Ensured platform robustness & increased efficiency & reliability by managing user & service provider data effectively with MongoDB

SKILLS

Professional Skills: Problem-Solving, Version Control, Database Management, Communication, Teamwork, Adaptability, Rapid Prototyping, Scrum Methodology

Technical Skills: Java, Python, C, Javascript, Angular, HTML, CSS, Node.js, SQL, LLM, SaaS, Git, MS Office 365