Rahul Shah

Tempe, AZ | rshah107@asu.edu | +1(516)979-5019 | Portfolio | Github | LinkedIn

EDUCATION

Arizona State University <div align="right">Tempe, AZ</div>
Master of Science in Computer Science; **GPA: 4.0/4.0** <div align="right">May 2025</div>
Courses: Mobile Computing, Cloud Computing, Foundations of Algorithms, Data Processing at Scale

S.D.M. College of Engineering and Technology <div align="right">Karnataka, India</div>
Bachelor of Science in Electronics and Communication; **CGPA: 9.56/10.0** (top 1%, Class of 2020) <div align="right">June 2020</div>
Courses: Python, Web development, Database Management System, Computer Networks

SKILLS

Languages	: JavaScript(ES5/ES6), Python, TypeScript, C, C++, HTML, CSS, JSON, XML, Ajax, JQuery
Frameworks	: Node.js, Express.js, Redux, Angular, MongoDB, React.js, React Native, Next.js, GraphQL, MySQL
Tools	: Postman, AWS, Git, Jenkins, Redis, Docker, Confluence, Jira, Kubernetes, Azure
Skills	: UI/UX, Front-end, Agile, Back-end, Unit testing, Micro-services, CI/CD, SCRUM, Kanban, DevOps
Soft Skills	: Communication (verbal and written), Leadership, Collaboration, Mentorship

WORK EXPERIENCE

Allegion <div align="right">Bengaluru, India</div>
Software Engineer <div align="right">March 2022 - July 2023</div>

- Enhanced communication efficiency between IoT devices and the Engage mobile application by implementing **RESTful APIs** as part of backend development, resulting in seamless management of **100,000+** users.
- Incorporated **Redux** state management into the frontend development of the Engage mobile application, resulting in a remarkable **80ms** reduction in response times and a significant 20% improvement in the overall app's responsiveness.
- Set up a Jenkins **CI/CD** pipeline that automated 100+ weekly builds, while utilizing **AWS** services like **ECR**, **ECS**, **S3**, and **AWS Fargate** for seamless DevOps
- Engineered a robust **Automation Framework** using **JavaScript**, **Selenium**, and **Appium** to automate testing for web and mobile apps, resulting in a **70%** reduction in manual efforts.

Associate Software Engineer <div align="right">June 2020 - March 2022</div>

- Developed a front-end application for Azure DevOps Data Mining using **React.js**, seamlessly integrating **Azure APIs**, and streamlining data extraction, ultimately reducing manual scraping by 40%.
- Engineered and deployed a **Python** and React-based **Card-Simulator tool** with VirtualBench integration, replicating various card scenarios and eliminating the need for over 30 physical card types.
- Led the development and deployment of a full-stack web application utilizing React, Node.js and AWS S3, enabling the software team to centralize document storage and transition to online documentation. .

Software Engineer Intern <div align="right">January 2020 - June 2020</div>

- Accomplished advanced **geolocation-based** features within Engage mobile application, allowing users to control access remotely. This feature contributed to a **20%** increase in remote access usage and client satisfaction.
- Played a pivotal role in integrating access code options into both the front-end and back-end of the Engage mobile application, achieving a remarkable **35%** increase in user adoption and significantly enhancing security.
- Conducted comprehensive python code reviews, testing, **API documentation**, and implemented code refactoring techniques, leading to a remarkable **15%** reduction in codebase errors and improved code maintainability.

PROJECTS

Social-Stitch. (link) *Typescript | Next.js | Node.js | Postgres | Clerk | Tailwind* <div align="right">January 2023 - March 2023</div>
- Develpoed a comprehensive social networking application, encompassing functionalities such as posts, communities, invitations, and group sharing. To enhance user experience, I implemented real-time notifications for prompt updates on all post-related activities, while ensuring secure user authentication through Clerk and OAuth.

CoDev Space. (link) *Web Sockets | React | Redux | Node.js | MongoDB | Express* <div align="right">July 2022 - September 2022</div>
- Crafted an collaborative online Python coding IDE using React and Web Sockets enabling real-time code creation and execution, featuring live collaboration through shared coding rooms, fostering seamless teamwork among users..

Route Tracker. (link) *React Native | Node.js | MongoDB | Express* <div align="right">June 2021- September 2021</div>
- Developed a React Native mobile app harnessing GPS capabilities to track and record routes, storing them in MongoDB for review, distance tracking, and implementing comprehensive user authentication.

ACHIEVEMENTS & ACTIVITIES

- Awarded '22 Manager's Choice for developing Python Data Mining Tool Automation Framework for Software Team.
- Vice President for the Student Placement Committee at SDMCET 2019-20. Assisted over 150 students in securing jobs through campus placements.