

SHAHIL MOHAMMED

+1 (832) 620-5379 • smoham68@asu.edu • [linkedin.com/in/shahilmohammed14](https://www.linkedin.com/in/shahilmohammed14) • [GitHub](#) • [Portfolio](#)

EDUCATION

Arizona State University

Master of Science in Computer Science, Tempe, AZ

Aug 2022 – May 2024

GPA: 4.00/4.00

Manipal Institute of Technology

Bachelor of Technology in Computer and Communication Engineering, Manipal, India

Jul 2018 – Jul 2022

GPA: 8.83/10.00

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, C, C++, C#, SQL, NoSQL, PHP, HTML, CSS, Bash
Web Development: React.js, Angular.js, Node.js, Express.js, Spring Boot, .NET, Django, Rest API, jQuery
Database Technologies: MySQL, SQLite3, PostgreSQL, MongoDB, Microsoft SQL Server, Oracle Database
Tools and Frameworks: AWS, Docker, Android, Git, GitHub, Postman, Linux, Jira, JUnit, Bootstrap, Selenium

EXPERIENCE

Amrock, LLC

May 2023 – Aug 2023

Software Engineer Intern

Detroit, MI

- Executed API calls in TypeScript, achieving sub-100ms average response time, ensuring seamless data exchange.
- Upgraded existing platform using Angular.js, resulting in a 25% rise in user engagement and satisfaction.
- Established high-performance backend in C# with .NET framework resulting in 30% reduction in data retrieval latency.
- Optimized PostgreSQL stored procedures, reducing frontend load by 15%, streamlining database operations.

Apice Tech Pvt. Ltd.

Jan 2022 – Jun 2022

Full Stack Software Engineer Intern

Delhi, India

- Led a 5-member team to develop a SaaS tool that automates the software development lifecycle (SDLC) process.
- Architected and maintained Oracle SQL database and setup microservices in Java with Spring framework.
- Organized CI/CD pipelines to enable seamless deployment of 6 key microservices on AWS EC2 servers using Docker.
- Implemented unit tests for CI/CD pipelines module with JUnit framework with approximately 90% test coverage.

Aakanksha Consumer Services

Jul 2021 – Oct 2021

Frontend Developer Intern

Delhi, India

- Configured a shopping cart with Commerce.js which elevated the performance of API requests by 75%.
- Authenticated form submissions with Formik library that reduced upto 50% workload on the backend.
- Utilised React.js to configure essential website pages, resulting in a 30% rise in user interaction and conversion rates.
- Improved website engagement with Swiper.js and ScrollReveal.js packages, resulting in a 20% boost in click-through rates.

PROJECTS

AWS-based Face Recognition Application | Flask, AWS EC2, SQS, S3, PyTorch, MTCNN

- Engineered an AWS-based face recognition system with auto scaling, improving response time by 75% and enabling 1000+ classifications per minute.
- Achieved 94% accuracy in facial recognition for reliable identification by using PyTorch and MTCNN models.
- Boosted system security and efficiency with robust data handling and secure communications via AWS S3 and SQS.

Inventory Management System | Django, React.js, SQLite3, JWT, Netlify, PythonAnywhere

- Created a inventory management system using Django/React.js, increasing tracking efficiency by 25%, benefiting more than 100 users with advanced filtering and secure authentication.
- Streamlined data management for 500 inventory items, boosting operational efficiency and accuracy of inventory updates.
- Secured 99.9% uptime post-deployment on Netlify and PythonAnywhere ensuring seamless access for a broad user base.

Online Teaching Platform | Java, WebRTC, Socket.IO, Neo4J, Nodemailer, Android Studio

- Built an online teaching platform with attention tracking, delivering improved engagement data for over 100 students.
- Facilitated 50+ interactive classes with screen sharing and timely notifications, boosting student participation by 25%.
- Integrated video calling and chat system with support for more than 10 concurrent users.

OTHER EXPERIENCE

Ira A. Fulton Schools of Engineering

Oct 2023 – May 2024

Instructional Assistant

Arizona State University

- Worked as an Instructional Assistant for a high-demand graduate course, Information Assurance and Security.
- Resolved cases efficiently on Salesforce which enhanced student satisfaction and academic performance by 40%.
- Conducted interactive online sessions for over 80 students, resulting in a 30% increase in student engagement.