

SHAHIL MOHAMMED

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EDUCATION

Arizona State University <i>Master of Science in Computer Science, Tempe, AZ</i>	Aug 2022 – May 2024 GPA: 4.00/4.00
Manipal Institute of Technology <i>Bachelor of Technology in Computer and Communication Engineering, Manipal, India</i>	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 <i>Software Engineer Intern</i>	May 2023 – Aug 2023 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. <i>Full Stack Software Engineer Intern</i>	Jan 2022 – Jun 2022 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 <i>Frontend Developer Intern</i>	Jul 2021 – Oct 2021 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 <i>Flask, AWS EC2, SQS, S3, PyTorch, MTCNN</i> 	
• 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 <i>Django, React.js, SQLite3, JWT, Netlify, PythonAnywhere</i> 	
• 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 <i>Java, WebRTC, Socket.IO, Neo4J, Nodemailer, Android Studio</i> 
• 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 <i>Instructional Assistant</i>	Oct 2023 – May 2024 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.	