

SHAHIL MOHAMMED

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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

Minor: Big Data

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, PostgreSQL, Microsoft SQL Server, Oracle Database, MongoDB, SQLite
Tools and Frameworks: Docker, AWS, Android, Git, GitHub, Linux, Jira, JUnit, Bootstrap, Selenium, Postman

PROFESSIONAL EXPERIENCE

Amrock, LLC

Software Engineer Intern

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.
- Engineered high-performance backend in C# with .NET framework resulting in 30% reduction in data retrieval latency.
- Revised and optimized stored procedures in PostgreSQL, leading to a 15% reduction in frontend load.

Apice Tech Pvt. Ltd.

Full Stack Software Engineer Intern

Jan 2022 – Jun 2022

Delhi, India

- Collaborated with a core development group of 5 members to create a SaaS tool that automates SDLC process.
- Architected and maintained Oracle SQL database and setup microservices in Java with Spring framework.
- Deployed 6 micro-services to the AWS EC2 server using Docker after the code was ready for production.
- Implemented unit tests for CI/CD pipelines module with JUnit framework with approximately 90% test coverage.

Aakanksha Consumer Services

Frontend Developer Intern

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.
- Developed essential website pages using React.js, 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

ElastiFace | Flask, AWS EC2, SQS, S3, PyTorch, MTCNN

Mar 2024

- Engineered an AWS-based face recognition system, enhancing response speeds by 75% by auto scaling instances based on demand and supporting 1000 classifications with an accuracy of 94% using a deep learning model, while ensuring robust data handling and secure communications via S3 and SQS.

KaiznTree | Django, React.js, SQLite3, JWT, Netlify, PythonAnywhere

Feb 2024

- Created an inventory management platform, boosting tracking efficiency by 25% with advanced filtering options and secure authentication, providing precise, reliable data retrieval and management.

Connect | Java, WebRTC, Socket.IO, Neo4J, Nodemailer, Android Studio

Mar 2021

- Built a robust online teaching platform with video chat for over 10 concurrent users, and key features like scheduling, team creation, user authentication, and automated emails.

OTHER EXPERIENCE

Ira A. Fulton Schools of Engineering

Graduate Services Assistant

Oct 2023 – April 2024

Arizona State University

- 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.

Volunteer Services Organization MAHE

Web Coordinator

Nov 2020 – Sep 2021

Manipal Institute of Technology

- Monitored website performance and analytics, and made data-driven decisions to improve user satisfaction by 40%.
- Boosted the traffic on the website by 50% by making the website more SEO friendly.