SUFYAN ARSHAD

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EDUCATION

Bachelor of Science - Computer Science (ABET accredited) May 2024
University of North Texas GPA: 3.7
Minor: Mathematics
Relevant Coursework: Data Structures and Algorithms, Object-oriented Programming, Fundamentals of Database Systems, Software Engineering, Computer Networks, Machine Learning.

TECHNICAL SKILLS

Programming Languages	C++, Python, JavaScript, Node.js, React.js, Flutter, Dart
Version Control & Development Tools	Git, GitHub, GitLab, Agile Methodologies, DevOps, CI/CD, Docker, Kubernetes
Cloud Platforms	AWS, IBM Cloud
Web Development	HTML, CSS, Tailwind, Bootstrap, RESTful APIs, Lucid, Figma
Database	SQL, MongoDB
Operating Systems	Windows, Linux (Ubuntu), MacOS
Scripting	Bash Scripting, Shell Scripting (including sh, csh, zsh), PowerShell
Microsoft Office	Word, Excel, PowerPoint

EXPERIENCE

Software Engineer Intern June 2023 - December 2023
NETSOL Technologies *Calabasas, CA*

- Collaborated on planning and executing the migration of the application stack to React and Node.js, achieving a notable 20% improvement in overall system performance.
- Reached a 30% reduction in post-migration bug reports through thorough testing and proactive issue resolution.
- Identified and resolved 20+ critical bugs in the code base during the internship period.

PROJECTS

Full-Stack E-commerce Web-Application June 2023 - July 2023
University of North Texas *Denton, Tx*

- Led a team of 5 developers in the successful on-time delivery of an E-commerce web app, meeting all project milestones and resulting in a 100% client satisfaction rate.
- Employed React Hooks (useState, useEffect, useContext) for functional components, enhancing code readability and simplifying stateful logic.
- Utilized Node.js and Express.js for server-side development, employing the Express.js framework to build efficient back-end. Managed routing, middleware, and HTTP requests.
- Implemented key features such as secure authentication, shopping cart functionality, and subscription-based pricing. Using JWT for authentication and bcrypt for enhanced security.

Mastodon Microblogging Client August 2023 - May 2024
University of North Texas *Denton, Tx*

- Developed a client app for the Mastodon microblogging platform using Dart and Flutter.
- Conducted comprehensive unit testing with Mockito, achieving a 95% test coverage.
- GitHub Actions played a pivotal role in automating various aspects of our development workflow. CI/CD pipelines were set up to ensure code quality and reliability through automated testing and checks.
- Followed Agile methodologies, including Scrum, by organizing work into sprints, conducting regular stand-up meetings, and prioritizing tasks in a collaborative manner.

HONORS AND CERTIFICATES

UNT Presidents List	January 2022 - May 2024
IBM Full Stack Developer	January 2024 - April 2024
IBM DevOps and Software Engineering	January 2024 - April 2024

LEADERSHIP AND PROFESSIONAL STUDENT ORGANIZATIONS

UNT Hackathon Organizer	October 2023 - November 2023
UNT Engineers United	January 2023 - December 2023