ARJUN ALLURI

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EDUCATION

Indiana University Bloomington Aug 2022 - May 2024
Master of Science in Computer Science *GPA: 3.8*

Relevant Coursework: Applied Algorithms, Advanced Database Concepts, Software Engineering, Mobile Application Development, Data Mining, Applied Machine Learning.

TECHNICAL SKILLS

Programming Languages	Python, Java, PHP, JavaScript, SQL, TypeScript, C#, C/C++
Tools	Selenium, Git, Jira, Kubernetes, Linux, Docker
Web Technologies	React, HTML5, CSS, Flutter, Node.js, Ajax, Django Flask, GraphQL, Firebase

WORK EXPERIENCE

HealthTech Solutions May 2023 - Aug 2023
Software Developer Intern *Frankfort, KY*

- Migrated legacy software to React, reducing latency by 30% and enhancing the user interface. Demonstrated effective communication by collaborating with stakeholders. Exhibited team collaboration in cross-functional teams for a smooth transition to React.
- Engineered and optimized reusable React components resulting in a 25% reduction in codebase size, enhancing development efficiency and maintainability.

OpenText Aug 2021 - Feb 2022
Software Engineer Intern *Hyderabad, India*

- Transformed real-time user notifications, adopting AWS Lambda and SQS, reducing error rates by 25%.
- Implemented AWS CodeDeploy and CDK for streamlined A/B testing, enhancing deployment flexibility and accelerating feature releases by 20%.

CyberMedha Feb 2021 - Apr 2021
Mobile Application Developer Intern *Hyderabad, India*

- Designed and built a mobile application for streaming, incorporating CDN, Gzip compression, and adaptive bitrate streaming for improved content delivery.
- Spearheaded the development and integration of an m3u8 server, ensuring consistent, high-quality streaming for over 10,000 users.

PROJECTS

WiFi-Strength Android Application

- Developed a Android app, available on the Google Play Store, allowing users to assess WiFi signal strength. The app garnered over 10,000 downloads, demonstrating effective mobile app development and user engagement strategies.
- Implemented cutting-edge signal processing algorithms to analyze WiFi signal quality, resulting in a 40% increase in app downloads and a 20% boost in positive user reviews.

Morse Watch using Artificial Intelligence

- Engineered a watch with AI and IoT capabilities, featuring an S-Morse dictionary for code-to-voice conversion and SVM-based gesture recognition for assisting people with disabilities.
- Developed a companion mobile app using Firebase and Android Studio to enable real-time chatting options, enhancing the watch's functionality and user experience. This innovative feature further contributed to the project's overall positive reception.