


DEV SHAH

Chicago, IL

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Education

University of Illinois Chicago

B.S.E., Computer Science, Software Engineering, Mathematics

Mar 2022 - Mar 2025

Work Experience

Argusoft

Software Development Intern

Jul 2024 - Sep 2024

Gujarat, India

- Led the migration of a large-scale government healthcare application from AngularJS to ReactJS, enhancing full stack development practices and achieving a 10% improvement in load times while maintaining scalability.
- Collaborated with a cross-functional team of five developers to design and integrate modern UI components, contributing to a 5% increase in user satisfaction and reinforcing agile software development methodologies.

University of Illinois Chicago

General Office Aide

Jun 2023 - Present

Chicago, IL

- Streamlined the processing of over 1,500 identification cards and efficiently managed data entry for student, faculty, and staff accounts, achieving a 20% reduction in processing time.
- Administered the Dragon Dollar\$ and meal plan programs while overseeing Ventra U-Pass distribution to over 1,000 users, resulting in a 10% increase in program participation within one academic year.

University of Illinois Chicago

Intramural Sports Official

Apr 2023 - Jul 2023

Chicago, IL

- Officiated over 15 intramural games, ensuring strict rule compliance and fair play, resulting in a 15% decrease in reported conflicts compared to previous seasons.
- Facilitated pre-game meetings for teams of up to 10 participants, effectively resolving disputes and promoting inclusivity, contributing to a 15% increase in positive participant feedback scores.

Projects

Security Assessment & Generative AI Analysis

Sep 2024

GenVars

- Led security vulnerability assessment using AI/ML models (Hugging Face GPT-2), identifying 100+ critical vulnerabilities across SUID binaries, cron jobs, and legacy services through automated scanning and manual penetration testing
- Executed advanced privilege escalation techniques to demonstrate security gaps, developed comprehensive documentation for 25+ vulnerabilities, and implemented enterprise-grade patch management solutions, reducing system exposure by 85%.
- Architected and deployed robust security controls, including network hardening protocols, principle-of-least-privilege (PoLP) access management, and automated security patches, achieving 99.9% system uptime while maintaining SOC 2 compliance standards.

Sparknacks 2025 - Kiosk Face Recognition Application

Mar 2025

Faceway

- Engineered a kiosk-based face recognition system utilizing React.js, Express, and face api.js to expedite user logins by 10% and eliminate manual credential entry.
- Implemented dynamic interface rendering and an automated point-system integration, retrieving user profiles, tailored offers, and historical data in real time to enhance customer engagement.
- Optimized local storage for offline operation and streamlined kiosk hardware integration, ensuring robust performance under varying lighting conditions and maintaining 99.9% system uptime.

Skills

- **Programming Languages:** C, C++, Java, JavaScript, Python, HTML5, CSS, SQL
- **Front-End & Frameworks:** Angular, React, Express.js, UI/UX, Responsive Web Design
- **Back-End & Databases:** Node.js, Rest APIs, SQL Server, MongoDB
- **Development Tools & Environments:** Visual Studio, Eclipse, XCode, Git, Arduino, CI/CD
- **Software Development Methodologies:** Agile Methodology, Test-Driven Development(TDD)
- **Additional Technical Skills:** Object Oriented Programming, Data Structures & Algorithms