ANNSH AGRAWAAL

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EDUCATION

University of Illinois at Chicago   2018 – 2022
Bachelor of Science in Computer Science   *Chicago, IL*

EXPERIENCE

Varis, The Office Depot Corporation   2022 – 2023
Software Development Engineer I   *Remote, Chicago, IL*
- Created and managed 20+ React components (Card, Modal, Progress Indicator) for use by developers organization wide.
- Conducted stand up weekly, using Jira to ensure efficiency of the solutions, Figma design, and balance best practices, security, and operational excellence.
- Participated in code reviews with team members and external teams, resolving complex challenges.
- Sustained, cleaned, and tested previously deployed components on legacy branch, using OOPs concepts and SOLID principles to ensure high-quality, maintainable, reusable, secure code.
- Participated in Security Champion program to learn about security vulnerabilities, safeguarding company's user and application ecosystem.

University of Illinois at Chicago, Technology Solutions   2021 – 2022
Computer Specialist I   *Chicago, IL*
- Led team of 6 students via in-person / virtual appointments to use ticketing system (TDX) and assist 10-15 students, staff, and faculty.
- Installed software, set up hardware, backed up files, and completed other computer tasks, decreasing technical difficulties by 40%.
- Managed IT / AV equipment inventory (short-term equipment loan programs and departmental inventory), guiding 5K+ UIC engineering students on equipment standards and expenditures.

PROJECTS

UIC COVID Database | *HTML, CSS, JavaScript, Python, MySQL*   2022 – 2022
- * Developed and maintained COVID database (classes, travel history, and vaccination record) of 100+ UIC students in dorms during COVID-19, resulting in 89% accountability.
- * Hosted on Tomcat Apache server, maintained the back-end with SQL, and designed using HTML5 and CSS3

Music Center | *HTML, CSS, JavaScript, Shazam RESTful API*   2021 – 2022
- * Led a group of three members to create a full-stack web application that displaying the top 5 results based on the query entered by the user, which included the name of the song, artists' most played songs, and the number of times the song was searched and played worldwide.
- * Established a connection with Shazam Music API, a RESTful API, and extracted data according to the user's request.
- * Utilized CRUD operations to create, read, update and delete user's account in the application and meeting authentication and authorization requirements using passport.js.
- * Mitigated Brute Force Attacks by enforcing and implementing password security measures (password length, restricted passwords, password character inclusion, Database Hashed passwords, etc.).

N-Puzzle Problem Solver | *Java*   2021 – 2022
- * Developed an app that takes a 15-puzzle game's template as input and compute its solution using the Iterative Deepening Depth First Search with heuristics algorithm (Number of misplaced tiles and Manhattan distance).
- * The project uses a tree as its data structure, where each node is a separate puzzle state represented with a particular puzzle configuration and the state is achieved by sliding a tile to the blank space of the previous state.

TECHNICAL SKILLS

Certifications: Microsoft Azure: Cloud Fundamentals, EC - Council Certified Ethical Hacker (CEH v9)
Languages: Java, C, C++, Python, HTML/CSS, JavaScript, SQL
Developer Tools/Frameworks: Microsoft Azure, Node.js, MySQL, Git, GitHub, Linux, VS Code, Android Studio, Agile

LEADERSHIP AND PROFESSIONAL ASSOCIATION

Association for Computing Machinery, SIG Member, University of Illinois, Chicago   2019 – 2020
- · Developed an Interactive Flowchart for the CS Department for the College of Engineering.

Silver Surfer Initiative, Co-Founder, The Shri Ram School   2017 – Present
- · Led team of 12+ members to work towards goals that improve and promote technological community service, academics, and unity.