SRI CHANAKYA CHOWDARY BABU YENNANA

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EDUCATION

Master of Science, Computer Science   August 2022 - May 2024
The University of Texas at Dallas, United States
Relevant coursework: Database Design, Machine Learning, Algorithms, Big Data Management and Analytics, Web Programming.

Bachelor of Technology, Computer Science and Engineering   June 2016 - June 2020
GITAM Deemed University, India
Relevant coursework: Operating Systems, OOP in JAVA, Data Structures in C, Database Management Systems, Compiler Design.

PROFESSIONAL EXPERIENCE

Accenture Solutions Private Limited, Hyderabad, India   August 2020 - June 2022
Associate Software Engineer (ASE)

- Worked as a back-end Java Developer for the Demant Team at William Demant, developing high-performance and reliable web applications, including a CRM application, using Spring Web Flux.
- Developed an automation tool tailored for automated testing of report management processes. This tool streamlined the testing of various report functionalities, ensuring accuracy and reliability in managing and validating report data.
- Designed and implemented multiple microservices to process large datasets from Excel files, consisting of hundreds of thousands of rows, and efficiently storing them in a database.
- Utilized MongoDB to store and retrieve data with sub-millisecond response times, optimizing code for enhanced performance.
- Established communication protocols between microservices to exchange reliable information and facilitate seamless data flow.
- Used SonarQube to ensure coding standards, actively engaged in peer reviews, and ensured alignment with team standards.
- Implemented Continuous Integration/Continuous Deployment (CI/CD) pipelines using Jenkins and GitLab CI, automating the build, test, and deployment processes to ensure rapid and reliable delivery of software updates.
- Utilized agile methodologies for development, ensuring efficient and iterative progress towards project goals.

Defense Research & Development Laboratory (DRDL), Hyderabad, India   May 2019
Summer Intern

- Spearheaded the development of Message Level Simulator using web technologies, incorporating React.js for front-end and Node.js for back-end development, which resulted in a reliable and scalable solution for monitoring the health of systems in use.
- Successfully implemented WebSocket's as the protocol for Message Level Simulator, which led to 30% increase in system response time and 40% improvement in data transfer speed, ensuring real time communication between systems.
- Executed end-to-end tests for Message Level Simulator, reducing downtime by 60%.
- Integrated Message Level Simulator with existing systems, increasing data accuracy by 50% and system performance by 20%.

ACADEMIC PROJECTS

Online Grocery Store *(Web Programming Languages)*   August 2023 – December 2023

- Successfully designed and developed an online grocery store application from scratch using a blend of web technologies. Implemented enhancements and finalized the project for deployment.
- Tech Stack - HTML,CSS, JavaScript, Bootstrap, Springboot, MySql server and localhost

Portfolio using React   May 2023 - June 2023

- Crafted a dynamic personal portfolio website utilizing React.js, featuring comprehensive sections on my educational background, professional experience, skillset, and contact details to facilitate professional connections.
- Engineered a React.js-powered responsive personal portfolio, subjected to rigorous cross-browser compatibility testing and optimization for an intuitive user experience.

Escape Room *(Virtual Reality Project)*   January 2023 - May 2023

- Leveraged Unity 3D engine and C# programming language to design and develop an immersive escape room experience, harnessing the advanced features of Unity for realistic graphics, physics, and interactive gameplay elements.
- Integrated Google Cardboard compatibility into the escape room application, allowing users to enjoy the captivating experience of solving intricate puzzles and challenges within the virtual environment using their smartphones and a simple cardboard viewer.

Personal Customizable Cloud Storage *(Final Year Project)*   August 2019 - March 2020

- Configured secure remote access protocols such as SSH or VPN to ensure the confidentiality and integrity of data transmission between the Raspberry Pi NAS and end-users, enabling secure access to stored files over the internet while safeguarding against unauthorized access.
- Implemented network and firewall configurations to restrict access to the Raspberry Pi NAS to authorized users only, employing access control mechanisms such as username/password authentication or IP whitelisting to mitigate the risk of unauthorized access or malicious attacks from external threats.

TECHNICAL SKILLS

Certifications: AZ-900: Microsoft Azure Fundamentals; PL-900: Power Platform Fundamental; Excel Skills for Business: Essentials – Coursera; Advanced React – Coursera, AWS Certified Developer – Associate.
Technical Stack: Python, Java, C#, Swift, HTML, CSS, JavaScript, React.js, Springboot, Node.js, PHP, MongoDB, Mysql.

PERSONAL ACCOMPLISHMENTS

SWISH Hackathon by DENZO group - *Team Leader*   August 2019
UNSCO Tech Fest - *Volunteer*   November 2018
IoT Workshop by Texas Instruments - *Organizer*   July 2018