Thanuj Reddy Chamakura

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EDUCATION

Master of Science in Computing Information System, Youngstown State University, Youngstown, OH — January 2023 - May 2024
Cumulative GPA: 4.0
Bachelor of Technology in Computer Science, SPEC, Hyderabad, Telangana, India — July 2017 - July 2021
Cumulative GPA: 3.26
Key specialized courses: Advanced Database, Computer Programming, Server-Side Web development, Web Technologies

SKILLS

Programming: Java, Python, C, C++, JavaScript
Technologies/Environment: REST, Spring Boot, API, MY SQL, AWS, HTML, CSS, React.js, Node.js, IntelliJ, VS code,

RELEVANT EXPERIENCE

IT Support Specialist (Graduate Assistant), *YSU WORKFORCE*, Youngstown, Ohio — May 2023 – May 2024

- Developed and launched a dedicated website for a skill accelerator program, integrating an email system and streamlining enrollment processes using Bluehost and Elementor.
- Demonstrated expertise in cloud infrastructure and services by completing the AWS Cloud Practitioner Preparation Course.
- Orchestrated educational seminars to enhance student engagement and organization awareness.
- Utilized SQL queries for generating detailed reports on enrollment statistics, progress tracking, and provided troubleshooting assistance for password-related issues, ensuring smooth organizational operations.

Associative Software Engineer, *Calyx,* Hyderabad, India — August 2021 – December 2022

- Generated comprehensive reports on patient count, ongoing trials, and phase statuses, utilizing data analysis techniques, and streamlined report generation processes for optimal efficiency in data retrieval and analysis.
- Maintained and enhanced data integrity and accuracy within reports, ensuring reliable information for critical trial-related decisions.
- Developed and implemented code within the IRT system using SQL and C# to dispatch medications, ensuring timely and accurate delivery.
- Implemented new features within the Service Now website, facilitating seamless integration of live data updates and ensuring real-time accuracy through prompt incorporation of updates and changes.
- Collaborated with cross-functional teams to identify user needs and executed effective feature enhancements in a clinical trials-focused company.
- Utilized SQL and C# programming languages to support the IRT team in optimized randomization and trial supply management strategies, providing essential technical support and contributing to protocol customization for varied study needs in the dynamic environment of clinical trials.

KEY PROJECTS

Book Store, Node.js, HTML — September 2023 – December 2023

- Developed using HTML, CSS, and Node.js, with a specific focus on books by one author. Enables users to effortlessly browse, view book details, and place orders.
- Utilizes Express middleware for backend management and implements templating middleware for dynamic views. Offers users functionalities to manage their cart, complete checkout, and receive order receipts, enhancing the interactive experience.

Weather App, *React.js, API, HTML,CSS* — November 2023 – December 2023

- The application displays the temperature and utilizes an API to retrieve temperature data.
- Users can enter a city on the main page to obtain temperature results, and the project is built using HTML for structure, CSS for styling, and React.js for dynamic functionality.

Spring Boot Rest Api CRUD Application, Java — December 2023 – January 2024

- Backend system using Spring Boot and Java, designed for seamless data management via RESTful API endpoints. Implements CRUD operations (Create, Read, Update, Delete) with a focus on efficient data manipulation.
- Adheres to RESTful architecture principles, ensuring scalability for evolving requirements. Utilizes data persistence through a repository (e.g., database) for reliable and persistent storage.

Credit Card Fraud Detection Using Machine Learning, *Python* — January 2021 – May 2021

- Utilize Python, including Jupiter Notebook, to collect, preprocess, and clean credit card transaction data, ensuring removal of noise and inconsistencies. Then select, train, and evaluate a suitable machine learning model (e.g., logistic regression, random forest) on labeled data.
- Further, leverage Python for model optimization, conducting fine-tuning, and evaluation using Python-based metrics. Lastly, explore deployment strategies and options to integrate the optimized model into a fraud detection system.

Student Placement Application, *Android App, Java , Firebase* — January 2020 – May 2020

- The Student Placement Application facilitates access to placement-related documents for students and tracks the count of students placed for the college. Built as an Android application, it utilizes Java for backend functionality, XML for frontend development, and integrates seamlessly with Firebase for storage, authentication, and other essential services.