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Naga Pawan Keerthan Ramaraju

EDUCATION

Cleveland State University, Cleveland, OH — **Aug 2021-May 2023**
Masters in Computer and Information Science — GPA:3.61/4.0
Relevant Courses: Android Sensor Programming, Software Engineering, Software Quality Assurance, Architecture and OS

Osmania University, Hyderabad, India — **Aug 2016-Oct 2020**
Bachelor's in Computer Science and Engineering — GPA:3.50/4.0
Relevant Courses: Java, Database Management Systems, Data Structures and Algorithms, Web Development, ML

SKILLS

Technical: Java, SpringBoot, RestAPI, HTML, CSS, Angular, React, JavaScript, Maven, Agile, Git, Scrum, SDLC, Node JS
Database: ORCE, Oracle, MS SQL server, SQL developer.
Tools: Tensorflow, Jenkins, Android studio, Eclipse, VS studio, Postman, MS SQL management studio, JIRA.
Cloud: AWS, Oracle Cloud Infrastructure

WORK EXPERIENCE

SkillNet Solutions Inc, Cleveland, OH — **Jan 2023 – present**
Software Associate II

- Coordinated seamless integration between local and server-side databases (ORCE) to ensure efficient retrieval of user data, streamlined promotion implementation, and accurate tracking of loyalty points within the application.
- Designed and crafted the user interface (UI) for the application, integrating robust user data validation logic during the inception of user accounts. Proficiently engineered and validated API calls to guarantee smooth data transmission between server-side and application methods, meticulously evaluating HTTP requests with Postman and ensuring data integrity on the Oracle server through thorough validation processes.
- Developed virtual loyalty cards using SOAPUI to align with the client's chosen loyalty program, ensuring secure storage of generated cards within the ORCE server.
- Proficiently resolved data gaps by skillfully consolidating information from multiple xstorepos database tables and efficiently managed a sizable 13-million-record database, creating optimized SQL queries essential for generating receipts.
- Thoroughly validated SQL queries and results, enhancing project flexibility by introducing configurable query and connection settings, while also implementing Log4j for extensive console logging to improve project monitoring and issue resolution, including the successful migration of data from Oracle to MS SQL Server.
- Engineered methods for retrieving receipt data in JSON format and built efficient API endpoints to facilitate streamlined data access, Meticulously upheld data accuracy and validation in API interactions, encompassing both transaction sequence-based queries and user-defined search criteria, ensuring data reliability and integrity.

Cleveland State University, Cleveland,OH — **Jan 2022 – Dec 2022**
Graduate Teaching Assistant

- Facilitated instruction in Java programming and Software Engineering courses, guiding students in grasping coding principles, debugging code effectively, and leading weekly lab sessions.Collaborated with faculty to enhance course material, ensuring alignment with current industry standards.

Infosys, Hyderabad, India — **Mar2021 – July 2021**
Systems Engineer

- Significantly contributed to the design and development of an E-commerce Website, demonstrating proficiency in Agile methodology.
- Authored comprehensive test cases with JUnit and executed meticulous backend testing.Utilized Postman for precise validation of API calls through parameterized JSON formats.
- Engaged directly with stakeholders to address deployment challenges, resulting in a substantial 30% improvement in project efficiency.

Cloudseals Pvt Ltd, Hyderabad, India — **May 2019 – June 2019**
Web Development Intern

- Developed an online teaching module which has many courses that can access payment through a paymentgateway.
- Used moodle software and integrated it with Linux server to develop the teaching module.
  Designed and built a HRMS system to monitor the working hours, attendance and tasks completed by the employees for the organization which resulted in the growth of about 40% in keeping track of the employees.

PROJECTS

Feature Based Medical Image Retrieval — **Senior Semester 2022**

- Developed a model using VGG-19 architecture to retrieve the different categories of medical images. Collected data of various medical images of different diseases.
- Used the numpy libraries to perform the math operations from tensorflow I have imported the VGG-19 architecture, Extracted the features from all the images in the source and query image databases. Using the feature selection methods have retrieved the results with accuracy of 98%.

Sensor Listing — **Fall Semester 2021**

- Created an application which gives the details of all the mobile sensors present in the android device.
- The sensors are displayed in the list form and when we select a sensor it displays the details of Sensor name, version, range and other capabilities. Used the Android studio as the platform to develop the application.The UI of the application is developed using XML.