VAISHNAVI KOYYADA

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EDUCATION

UNIVERSITY AT BUFFALO   Buffalo, NY
Master of Science   Aug 2022- Dec 2023
  Major in Computer Science;
  Cumulative GPA: 3.75/4.0.
  Relevant Coursework: Algorithms, Distributed Systems, Machine Learning, Blockchain, Deep Learning, Data Models and Query Language.

OSMANIA UNIVERSITY   Hyderabad, Telangana, INDIA
Bachelors of Engineering   Aug 2016- Oct 2020
  Major in Computer Science;
  Cumulative GPA: 9.0/10.0.

TECHNICAL SKILLS

Languages and Web Technologies: Java, JavaScript, C/C++, SQL, Python, Go, Solidity, HTML/CSS, React.js, Dart, Node.js, Angular, Type Script.

Tools and Framework: Spring, Spring Boot, Micro Services, RESTful API, Hibernate, Micro Services, JPA, Maven, Gradle, Swagger, Docker, Kubernetes, Ansible, Jenkins, SonarQube, Terraform, Nexus, AWS, GCP, Junit, Mockito, TDD, Apache Spark, Apache Kafka, Tableau, Matplotlib, Visual Studio, Unix/Linux, Android Studio, Flask, Jupyter Notebook, OAuth, JWT, Git/GitLab, Splunk, MongoDB, Cassandra, Webpack, System Design, Scrum Methodology.

WORK EXPERIENCE

ACCENTURE INDIA PVT. LTD, HYDERABAD   INDIA
Associate Software Engineer   Dec 2020–Aug 2022

- Formulated RESTful APIs using Spring Boot and Hibernate ORM, achieving a 90% improvement in data load times through optimized pagination with Spring Data JPA.
- Engineered 15+ Java-based RESTful microservices with Spring Boot, leveraging Hibernate and JPA for efficient MySQL object-relational mapping, enhancing backend functionality.
- Designed and deployed single-page frontend applications, resolving over 100 critical and noncritical bugs to enhance system performance.
- Elevated client satisfaction and streamlined development by redesigning frontend, creating reusable components, reducing coding time by 50%.
- Optimized MySQL queries, improving data operations and boosting database performance by 32%, ensuring responsive data management.

UNIVERSITY PROJECTS

MUSEUM EXHIBIT (NFT, SOLIDITY, HTML, CSS, JAVASCRIPT, GCP)   Dec 2023
- Collaborated with a cross-functional team to construct and integrate a responsive front-end, enhancing communication for a high-traffic blockchain network processing transactions daily.
- Developed a Museum Exhibit Smart Contract and corresponding DApp in Solidity, facilitating seamless transactions.
- Engineered and executed a seamless deployment strategy for the Museum Exhibit DApp on Google Cloud Platform (GCP), facilitating global web accessibility and robust cloud infrastructure.

EMPLOYEE MANAGEMENT SYSTEM (JAVA, SPRING MVC)   Jul 2023
- Built a responsive Employee Management System with Spring MVC, streamlining HR operations and reducing data management time by 30% through efficient data addition, updating, deletion, and retrieval functionalities.
- Implemented Pagination and Sorting functionalities, enhancing scalability and user experience by 20% for handling large data sets up to 1TB, with an intuitive interface fostering efficient workflows.

E – COMMERCE WEBSITE CREATION (SQL, FLASK, HTML, CSS, JAVASCRIPT)   Apr 2023
- Constructed a responsive E-commerce website with HTML, CSS, and JavaScript to showcase a range of products, and leveraged Flask to ensure real-time data accessibility between frontend and backend.
- Managed and optimized a database with 99,441 records, applying data pre-processing techniques to ensure accuracy.
- Leveraged Flask to facilitate a robust connection between database and frontend, ensuring real-time data accessibility and updates.

RAFT LEADER ELECTION, GO LANG   Dec 2022
- Identified and analyzed system redundancy issues, directing the implementation of the Raft protocol's leader election features in Go that cut failover times by 65%.
- Pioneered enhancement of Raft's log consensus agreement features, positioning the module as a foundation for the next generation key/value service, resulting in a 40% boost in processing speed.