SRUTHI KANDHALA

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SKILLS

Front-End Technologies: HTML, CSS, JavaScript, Bootstrap, JavaScript D3, XML
Back-End Technologies: Java, J2EE, Python, PHP, Servlets, JSP
Databases: MySQL, Postgres, NoSql
Web Development Tools: Selenium, WIX Installer, Postman
Configuration Management: SVN, Git, JDBC
Other: Restful APIs, Jenkins, AWS services, WordPress

EDUCATION

Masters in Computer and Information Science - CGPA : 3.6/4   **January 2022 - December 2023 ***
Purdue University in Indianapolis
Related Coursework: Cloud Computing, Big Data Analytics, Object Oriented Design principles, Database Management and Security

Bachelor of Technology in Computer Science - CGPA: 7.89/10   **August 2016 - September 2020**
Jawaharlal Nehru Technological University
Related Coursework: Web Technologies, Design and Analysis of Algorithms, Data Structures, Software Engineering

WORK EXPERIENCE

Research Assistant | Purdue University in Indianapolis   **February 2023 - current**
IIOT based Energy Management Framework
- Developed **dynamic web pages** for the application, enabling seamless CRUD operations on sensor data.
- Utilized Restful APIs generated using **Python Flask** to ensure seamless data communication and integration.
- Collaborated with database analysts to optimize SQL queries and stored procedures for data retrieval and manipulation.
- Enhanced the Industrial Assessment Center (IAC) website into a user-friendly platform, leading to a 30% increase in client engagement.

Associate Software Engineer | Opentext Technologies Pvt Ltd.   **June 2019 - December 2021**
Opentext Contract Management   Hyderabad, India
- Enhanced a **Java framework** to import bulk data from Excel sheets into the application after completing data validation, resulting in significant time savings approx by 50%, for beta testing.
- Developed responsive web pages utilizing Knockout.js and Bootstrap adhering to UI/UX design principles.
- Created an automated testing framework using **Selenium and Jenkins**, cutting manual testing time and streamlining CI/CD processes.
- Containerized the application using Docker and conducted deployment on AWS to facilitate the cloud migration of the project.
- Conducted requirement analysis, contributed to development, **debugging**, **bug fixing**, and testing within an Agile development process.

Opentext Privacy Management
- Generated and managed requests within an application constructed on a low-code platform in response to queries received via email.
- Conducted thorough application analysis to identify areas for improvement and enhancement.
- Actively participated in code reviews and **quality assurance** processes to maintain high standards of software development.

RELATED PROJECTS

Court case management - Java, Javascript, HTML / CSS, MySQL, PHP, Web development
Full-stack web application for court hearing updates, incorporating tracking, document uploads, email authentication and notifications.
Online doctor consultations - Java, Servlets, HTML / CSS, Apache Tomcat
Servlet-based application enabling secure appointment scheduling, doctor recommendations and test result uploads for healthcare support.
Twitter Hate Speech analysis - Logistic Regression
Utilized Logistic Regression and Tf-Idf feature extraction to classify tweets, showcasing proficiency in natural language processing.
Amazon Alexa skill for Periodic Table - AWS IAM, Alexa Skills Kit
Designed a Java-based Alexa skill using the Alexa Skills Kit and AWS IAM services, highlighting voice interface development expertise

CERTIFICATES

- Selenium web driver in Java - Udemy
- Currently pursuing Cloud Architect Master's program - SimpliLearn