Shiva Krishna Nangunuri

✉ shivakrishnanangunuri@gmail.com ☐ 7133204721 in www.linkedin.com/in/nangunuri-shivakrishna ⌂ https://github.com/shiva-4

SUMMARY

Passionate master's student in software development with a knack for frameworks and real-world application. Demonstrates proficiency in Angular, SQL Server, and AWS, and has hands-on experience with automated testing and version control. Committed to continuous learning and fostering creativity within teams.

SKILLS

Technologies: Java, Python, JavaScript, jQuery.

Frameworks: SpingBoot, Angular React, Spring Hibernate.

Databases: Relational Database, MySQL, Embedded SQL, PowerBI, Tableau, SQL Server.

Tools: Web Service, RESTful API, JSON, Selenium, Postman, SoapUI, Navigator, Version Control Tools, AWS.

EXPERIENCE

Developer Intern

BNP PARIBAS Sapiens   **February 2022 - July 2022, Mumbai, IN**

- Implemented XML-based logging mechanisms, improving project traceability. Streamlined Maven dependency management, optimizing development workflow.
- Devised and implemented automated testing protocols that triggered alerts for critical system failures, resulting in early detection of 30 potential issues and thereby ensuring uninterrupted service for 1M+ users.
- Established best practices for maintaining an up-to-date codebase, which improved code review turnaround time by 30% and fostered a team culture that prioritized high-quality, error-free releases.
- Meticulously documented test cases and logging procedures, enhancing team communication and facilitating smoother onboarding for new developers.
- Developed JUnit tests with Mockito, enhancing code coverage. Managed Bitbucket repository, implemented XML logging, and optimized Maven dependencies for improved project traceability.

Test Analyst

Sapiens   **July 2022 - December 2022, Bangalore, IN**

- Spearheaded implementation of continuous integration practices, resulting in faster bug detection and improved software stability.
- Championed adoption of shift-left testing methodologies, transforming QA processes and substantially reducing post-release defects.
- Developed and maintained comprehensive test documentation, ensuring accuracy and consistency.
- Established best practices for managing test environments through comprehensive training sessions for 20+ team members; these practices resulted in a consistent reduction in setup times by 25% and increased testing efficiency. Defined and implemented test coverage strategies for various testing levels.
- Utilized Selenium and Appium to create automated test suites, enhancing testing efficiency.

PROJECTS

Attendance Management System using Face Recognition

- Introducing an Attendance Management System fortified with advanced Face Recognition algorithms, enabling precise biometric analysis for secure and foolproof identification.
- Leveraging the potency of convolutional neural networks, the system employs intricate feature extraction mechanisms to ensure reliable and rapid facial recognition.
- The system's integration of Face Recognition technology optimizes administrative workflows by automating attendance tracking, thereby liberating resources and fostering a more efficient educational or organizational environment.

Hospital Management System

April 2023

- Introducing a comprehensive Hospital Management System with seamless DBMS connectivity, streamlining patient records, staff management, and administrative tasks.
- The system's DBMS connectivity empowers authorized users to access critical patient data, medical histories, and treatment plans in real-time, enhancing clinical decision-making and patient care.
- Through a robust database management system, this solution ensures efficient data storage, retrieval, and updates, facilitating accurate patient information management and streamlined medical processes.

EDUCATION

Masters in science

Major in Computer Information System • University of Houston-Clear Lake • Texas, USA • 2023-2024

Bachelor of Technology

Minor in <u>Information Technology</u> • Jawaharlal Nehru Technological University Hyderabad • <u>Hyderabad, INDIA</u> • 2018-2022

CERTIFICATIONS

Cybersecurity
CISCO
Python Certification
Hacker-Rank
Java
NPTEL

Publication's

Smart student attendance system based on facial recognition and machine learning
Springer Nature Singapore, IOT with Smart Systems: Proceedings of ICTIS 2022, Volume 2

Proctoring System for Remote Users Based on Machine Learning Techniques
Springer Journal, ICT Systems and Sustainability: Proceedings of ICT4SD 2022

INVOLVEMENT

Student Ambassador
VBIT, Hyderabad • Infosys • January 2022 – n/a
• Student Ambassador for training and placements for the Infytq program.

IIIC Coordinator
VBIT, Hyderabad • VBIT • July 2021 – April 2022
• IIIC Coordinator for placement cell and research and project development.