

Shiva Krishna Nangunuri

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📄 <https://shiva-4.github.io/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 Python, 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: SpringBoot, Django, Flask, 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

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 test-suite 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.
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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.
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EDUCATION

Masters in science

Major in [Computer Information System](#) • University of Houston-Clear Lake • [Texas, USA](#) • 2023-2024

Bachelor of Technology

Minor in [Information Technology](#) • Jawaharlal Nehru Technological University Hyderabad • [Hyderabad, INDIA](#) • 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 Infyfq program.

IIC Coordinator

VBIT, Hyderabad • VBIT • July 2021 - April 2022

- IIC Coordinator for placement cell and research and project development.
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