SHIBINO P ABRAHAM

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SUMMARY

Aspiring Python Developer with a strong academic background in Computer Science and hands-on internship experience in Python Full Stack Web Development. Certified in Python, React, and Web Application Development. Eager to contribute technical expertise in Python, web development, and database management to drive real-world project success.

SKILLS

- **Programming Languages**: Python, JavaScript
- **Web Development**: HTML, CSS, jQuery, Flask, Django, RESTful API, ReactJS
- **Database Management**: MySQL, SQLite
- **Testing and QA**: Pytest, Selenium, Test Automation
- **Automation and DevOps**: Docker, CI/CD pipelines, IaC, Kubernetes
- **Version Control and Collaboration:** Git, Agile methodologies
- **Cloud Services**: AWS, Azure, GCP
- **Security and Performance**: Web security principles, Performance optimization techniques

PROFESSIONAL EXPERIENCE

Software Engineer Trainee (Internship)
Quest Innovative Solutions Private Limited | Ernakulam, Kerala   September 2020 - March 2021

- Developed a web application using Python - Django framework which includes full stack web development, performed a series of unit tests on the existing application, increasing test coverage by 80%.
- Engineered and optimized REST API endpoints utilizing SQL and Python, resulting in a 30% reduction in response time, enhancing system efficiency, contributing to a 40% improvement in overall application functionality.
- Diagnosed and resolved issues within the web application, employing effective troubleshooting and debugging techniques.
- Collaborated with the development team to identify and rectify software bugs, ensuring a seamless and error-free user experience.

PROJECTS

IoT Based Autonomous Agricultural Robot:
- Innovated the development and implementation of an IoT Autonomous Agricultural Robot, leading to a remarkable 40% increase in crop yield, seamlessly integrated IoT technology and autonomous robotics, reducing operational costs by 25% and significantly improving overall farm profitability.
- Technologies Used: C, JavaScript, MySQL, MQTT(Protocol)

Employee Task Tracking and Rating System:
- Created and implemented a Python Flask web application that enhanced the performance evaluation process, resulting in a 25% reduction in task tracking time and improving overall team productivity.
- Technologies Used: Python, Flask, SQLAlchemy ORM, React JS (JavaScript Library)

EDUCATION

Bachelor of Technology in Computer Science   2016 – 2020
St.Thomas College of Engineering and Technology, Chengannur, Kerala
A P J Abdul Kalam Technological University

CERTIFICATIONS

- Python Full Stack Web Developer - QIS Academy
- Career Essentials in Software Development – Microsoft and LinkedIn
- Complete Python Developer Certification - Udemy
- REST APIs with Flask and Python – Udemy
- Web Developer Bootcamp - Udemy
- Frontend & Backend Development - Great Learning Academy
- Docker Essentials – IBM Developer Skills Network
- Containers and Kubernetes Essentials – IBM Developer Skills Network
- Selenium WebDriver with Python - TestAutomationU

PROFESSIONAL DEVELOPMENT

- Internet of Things using Raspberry Pi
  Date: October 30-31, 2019
  Organized by: Department of CSE, STCET in association with NoviTech Kochi, Kerala
  Description: Participated in a two-day workshop focused on Internet of Things (IoT) using Raspberry Pi. Gained hands-on experience in IoT technologies and learned about applications in real-world scenarios.

- Wheeled Planetary Rovers
  Date: 29 October 2019
  Organized by: Department of ECE, STCET, Chengannur, Kerala
  Description: Design principles and engineering considerations for wheeled rovers, including mobility, navigation, and communication systems

- Introduction to Embedded Systems Development with Arduino
  Date: 20 January 2018
  Organized by: IEEE CML SB of Believers Church Caarmel Engineering College, Perunad, Kerala
  Description: gain practical experience in programming and interfacing with hardware components using Arduino microcontrollers.

LANGUAGES

- English (Fluent)
- Hindi (Conversational)
- Malayalam (Fluent)