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. Currently preparing for UPSC examinations while seeking opportunities to apply and further develop my skills in software development.

SKILLS

- **Programming Languages**: Python, JavaScript, C, C++, Java
- **Web Development**: HTML, CSS, jQuery, Flask, Django, RESTful API, ReactJS, Odoo
- **Database Management**: MySQL, SQLite, PostgreSQL
- **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.

Professional Development

Internship Experience and Hands-On Projects   April 2021 - February 2022

- Developed practical skills in Python development, web development, and testing methodologies through hands-on internship experience.
- Demonstrated problem-solving skills and creativity through the successful completion of hands-on projects, including Stock Management System using Python, Employee Task Tracking and Rating System.

Rhinoplasty Surgery and Recovery (Medical Leave)   March 2022 - May 2023

- Underwent Rhinoplasty surgery, requiring a prolonged recovery period to ensure a successful recuperation.
- Dedicated this time to prioritize physical well-being and ensure a smooth recovery, demonstrating resilience and determination.

Continued Learning and Skill Enhancement   June 2023 - Present

- Actively pursued certifications and participated in self-paced learning programs to enhance knowledge and skills.
- Completed certifications in Python Full Stack Web Developer, Career Essentials in Software Development, and Docker Essentials, reflecting dedication to professional growth.

UPSC Preparation
- Concurrently engaged in UPSC preparation to pursue personal goals and aspirations.
- Demonstrated ability to manage multiple responsibilities and maintain focus on professional development while preparing for competitive examinations.

Upskilling and Hands-On Projects
- Leveraged internship experience to gain exposure to Python development, web development, and testing methodologies.
- Authored tech blogs on topics including Starry-Eyed Python: Decoding Satellite Images for Space Discovery, Beyond Macros: Revolutionize Automation with Python and RPA, Python-Powered Intelligence: Unveiling the Secrets of Machine Learning, and The Evolution of Python Web Frameworks: A Deep Dive into Django, Flask, and FastAPI.
- Demonstrated problem-solving skills and innovation through hands-on projects, including TaskMaster, Oncolens Detect, and An Autonomous Agricultural Robot Using IoT, showcasing proficiency in diverse technologies such as Artificial Intelligence, Machine Learning, Internet of Things, and cybersecurity.

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
- Docker Essentials – IBM Developer Skills Network
- Containers and Kubernetes Essentials – IBM Developer Skills Network
- Selenium WebDriver with Python - TestAutomationU