

SHIBINO P ABRAHAM

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Summary

Aspiring Python Developer with a robust academic foundation in Computer Science and practical internship exposure in Python Full Stack Web Development. Certified in Python, React, and Web Application Development, with a keen enthusiasm to leverage technical proficiency in Python, web development, and database management to propel project achievements.

Education

Python Full Stack Development QIS Academy Ernakulam, Kerala	2020 - 2021
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Bachelor of Technology in Computer Science St.Thomas College of Engineering and Technology, Chengannur, Kerala A P J Abdul Kalam Technological University Academic Project: An IoT Based Autonomous Agricultural Robot	2016 - 2020
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Plus Two Catholicate Higher Secondary School, Pathanamthitta	2016
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Tenth Mount Bethany English Higher Secondary School, Mylapra	2014
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Professional Experience

Software Engineer Trainee (Internship) Quest Innovative Solutions Private Limited Ernakulam, Kerala	September 2020 - March 2021
<ul style="list-style-type: none">Developed a web application using Python - Django framework, implementing full stack web development principles. Successfully executed a series of unit tests on the existing application, resulting in an impressive 80% increase in test coverage.Engineered and optimized REST API endpoints utilizing SQL and Python, leading to a notable 30% reduction in response time. This enhancement significantly improved system efficiency and contributed to a 40% enhancement in overall application functionality.	

Professional Development

Internship Experience and Hands-On Projects	April 2021 - February 2022
<ul style="list-style-type: none">Demonstrated exceptional problem-solving skills and creativity through hands-on projects, including the development of a Stock Management System using Python and an Employee Task Tracking and Rating System.Actively pursued continuous learning and skill enhancement, completing certifications in Python Full Stack Web Developer, Career Essentials in Software Development, and Docker Essentials. These achievements underscore my commitment to professional growth and proficiency in relevant technologies.	

Medical Leave	March 2022 - May 2023
<ul style="list-style-type: none">Underwent Rhinoplasty surgery, necessitating a prolonged recovery period to ensure a successful recuperation. During this time, I prioritized physical well-being and recovery, demonstrating resilience and determination in overcoming personal challenges.	

Continued Learning and Skill Enhancement

June 2023 - Present

- Authored insightful tech blogs on topics such as "Starry-Eyed Python: Decoding Satellite Images for Space Discovery", showcasing expertise and thought leadership in emerging technologies.
- Leveraged internship experience to gain exposure to Python development, web development, and testing methodologies, contributing to hands-on projects like TaskMaster and Oncolens Detect. These projects demonstrate proficiency in diverse technologies including Artificial Intelligence, Machine Learning, Internet of Things, and cybersecurity.
- Acquired comprehensive knowledge in cloud services, including AWS, Azure, and GCP, alongside a deep understanding of web security principles and performance optimization techniques.

Skills

- **Programming Languages:** Python, PHP, 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

Projects

Oncolens Detect:

- Developed a web application for cancer detection tools, providing centralized management of patient information, including test results and treatments.
- Technologies Used: Python, Django, React (Redux), Selenium

TaskMaster:

- Implemented a desktop application using Python's Tkinter library for task management and data visualization.
- Technologies Used: Python with Tkinter GUI Library, Matplotlib for Data Visualization, File Handling

IoT Based Autonomous Agricultural Robot:

- Led the development of an IoT Autonomous Agricultural Robot, resulting in a 40% increase in crop yield and a 25% reduction in operational costs.
- Technologies Used: C, JavaScript, MySQL, MQTT Protocol

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

Interests

- Technical Content Writing / Graphic Designing
- Coding
- Yoga