

# SHIBINO P ABRAHAM

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Portfolio: <https://shibino-developer.github.io/Portfolio-Website/>

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## SUMMARY

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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

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- **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

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### 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.

### Professional Break

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- During my professional break, I faced medical challenges that necessitated surgical procedures and an extended recovery period. While unable to work during this time, I prioritized my health and well-being, focusing on personal growth and development.
- Additionally, I leveraged my downtime to embark on self-directed projects, which not only highlighted my technical capabilities but also underscored my dedication to continuous improvement. Notably, I dedicated myself to upskilling by enrolling in online courses, completing comprehensive training in Python Full Stack Web Development, including frameworks like React, and mastering Web Design.
- I utilized this period to cultivate invaluable traits such as self-discipline, resilience, and proactive problem solving. Despite the adversity, I remained committed to continuous learning and skill enhancement.
- As I transition back into the workforce, I bring with me a wealth of technical expertise, coupled with invaluable qualities of adaptability, perseverance, and a relentless drive for excellence.

## PROJECTS

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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

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**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

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- 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

## LANGUAGES

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