

# Shibino P Abraham

Email : [shibino.pa@gmail.com](mailto:shibino.pa@gmail.com) | Ph no : +91-8111833958  
Linkedin : [www.linkedin.com/in/shibinoabraham](https://www.linkedin.com/in/shibinoabraham)

Location: Pathanamthitta, Kerala, India  
Github : [github.com/shibino-developer](https://github.com/shibino-developer)

## SUMMARY

---

Trained Python Full Stack Developer with Bachelor of Technology in Computer Science and Engineering from A P J Abdul Kalam Technological College. Proficient in Python and its frameworks, HTML5, JavaScript and database management. Ability to implement a software development lifecycle (SDLC) and analyze program performance to address deficiencies.

## WORK 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.
- Designed front end, troubleshooting and participated in documentation of projects.
- Implemented various algorithmic solutions to improve data processing performance, resulting in a 10% improvement in system throughput.
- Performed a series of unit tests on the existing application, increasing test coverage by 80%.
- Programmed REST API endpoints using SQL & Python, ensuring compliance with security standards and scalability requirements.

### Planned Career Break Due to Medical Issues

April 2021- Present

- I had to take a career gap due to medical reasons which required me to undergo surgical procedures and a lengthy recovery period.
- During this time, I was unable to work, but I took the opportunity to focus on my health and well-being. The time presented me with a unique opportunity to develop my self-discipline, resilience, and proactive problem solving.
- Despite the challenge, I continued to engage in remote learning and self-directed projects that showcased my commitment to personal growth.
- I also dedicated this time to upskilling by enrolling in online courses. I completed courses in Python Full Stack Web Development including frameworks, React and Web Design.

## PROJECT

---

### IoT Based Autonomous Agricultural Robot

Logix Space Technologies Private Limited | Pandalam, Kerala

October 2019 - July 2020

[https://www.ijcseonline.org/pdf\\_paper\\_view.php?paper\\_id=5165&9-IJCSE-08250-36.pdf](https://www.ijcseonline.org/pdf_paper_view.php?paper_id=5165&9-IJCSE-08250-36.pdf)

- Design and implementation of an autonomous agricultural robot based on Internet-of-Things (IoT) technologies that reduces manual irrigation tasks by 65% in an experimental vineyard.
- Developed software components such as sensor control, data acquisition and integration, path planning, and navigation mechanisms using state-of-the-art artificial intelligence algorithms and IoT technologies.

- The system can monitor and measure soil parameters and control the irrigation system to create optimal conditions for plant growth.

#### **Employee Task Tracking and Monitoring System**

- Implemented a web application using the Python Flask framework for tracking employee tasks and a rating system where the status of assigned tasks for each employee in an organization is tracked and monitored.
- The web application effortlessly tracks the time spent by employees on individual tasks and projects, which improves productivity and time management and helps employers evaluate employee performance.

## **CERTIFICATIONS**

---

**Python Full Stack Developer - QIS Academy**

**IBM Certifications on Python with Data science - Cognitive Class**

**Web Design from scratch : HTML, CSS, JavaScript, JQuery, Bootstrap - Udemy**

**Building Chatbot with LLMs certification from IBM - Cognitive Class**

**Complete Python Developer Certification - Udemy**

**REST APIs with Flask and Python - Udemy**

## **EDUCATION**

---

**Bachelor of Technology (B.Tech.) - Computer Science and Engineering**

August 2016 - July 2020

A P J Abdul Kalam Technological University (Kerala)

**Plus Two (HSE)**

2016

Kerala Board

**10TH (SSLC)**

2014

Kerala Board

## **SKILLS**

---

Python | Flask | Django | ReactJS | HTML | CSS | JavaScript | JQuery | OOPS Concepts | SQLAlchemy | MYSQL  
RDBMS | SQLite | Git | REST API | Backend Development | Automation | Debugging | Problem Solving | Decision  
Making | Creativity | Time Management | Flexibility | Positive Attitude | Self Motivated