

SHIBINO P ABRAHAM

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

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.

Trainee (Internship)

Keltron Knowledge Centre | Kanjikuzhy, Kottayam, Kerala

07 June 2017 - 13 June 2017

- Cyber Security and Information Security, GRC, Identify & Access Management.
- Network Security, Application Security, ISMS Documents.
- ERAMBA & Wireshark Software.

Career Break (Medical Reasons)

- 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.

EDUCATION

Bachelor of Technology (B.Tech.) - Computer Science and Engineering A P J Abdul Kalam Technological University (Kerala)	August 2016 - July 2020
Plus Two (HSE) Kerala Board	2016
10TH (SSLC) Kerala Board	2014

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 | Creativity

PROJECTS

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

- 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

July 2021 – Nov 2021

- 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.

Stock Management and Billing System

July 2022 – September 2022

- Implemented a Tkinter GUI application for inventory management and a billing system that tracks orders and sales for stores.
- Developed a database-driven warehouse management system in Python that will store the information in the MySQL database. The script has the operations that add stock, remove stock, display stock.

CERTIFICATIONS

Python Full Stack Developer - QIS Academy
Career Essentials in Software Development – Microsoft and LinkedIn
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
Android App Development & Arduino Programming with AWS - LogixSpace
Frontend & Backend Development - Great Learning Academy

PUBLICATIONS

An Autonomous Agricultural Robot Using IoT
International Journal of Computer Sciences and Engineering Vol. 8, Issue 7, July 2020
https://www.ijcseonline.org/pdf_paper_view.php?paper_id=5165&9-IJCSE-08250-36.pdf

SEMINARS AND WORKSHOPS

- Attended in the two-day workshop on **"Internet of Things using Raspberry Pi"** 30, 31 October 2019
Department of CSE, STCET in association with NoviTech Kochi, Kerala
- Participated in seminar on **"Wheeled Planetary Rovers"** 29 October 2019
Department of ECE, STCET, Chengannur, Kerala
- Participated in the one-day workshop on **"Introduction to Embedded Systems Development with Arduino"** 20 January 2018
IEEE CML SB of Believers Church Caarmel Engineering College, Perunad, Pathanamthitta, Kerala

LANGUAGES

English | Malayalam | Hindi

INTERESTS

Web Development | Tech Blogging

HOBBIES

Coding | Blogging | Graphic Design | Cooking | Gardening | Reading | Volunteering