Arun K Soman

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EXPERIENCE

Syncrayons Technologies Pvt Ltd, Trivandrum, Technopark — *Python Flask Developer*

DECEMBER 2020 - 19 AUGUST 2021

DROPio: APIs for DROPio (https://thedropio.app/home/) written during this period and developed Admin Panel for Application. Also Integrated Google map APIs and Payment gateways for the same app.

Progressive Software Solutions & Training, Muvattupuzha — *Software Trainer*

APRIL 2019 - NOVEMBER 2020

Trained software students C Programming, Python, Java, Flask Server, PHP, HTML, CSS, JavaScript etc. Also helped them with doing their mini project as well as final year projects.

Trained electronics graduate students Arduino, ESP32, Raspberry Pi, Internet of Things etc. Also helped them with doing mini-projects as well as final year projects.

EDUCATION

Cochin University of Science and Technology, Kochi — *M.Sc. Electronics*

MARCH 2017 - MARCH 2019

Completed Post graduation in electronics with 71% marks (First Class)

BASELIOS POULOSE II CATHOLICOS College, Piravom — *B.sc Electronics*

MARCH 2014 - MARCH 2017

Completed graduation in electronics with 74% marks (First Class)

BASELIOS POULOSE II CATHOLICOS College, Piravom — *Advanced Diploma in Electronics Embedded Systems*

MARCH 2014 - MARCH 2017

I completed this UGC sponsored add-on course in Advanced Diploma in

SOFT SKILLS

Problem solver

Quick learner

Service-focused

Workaholic

SKILLS

Programming Languages: Python, C Programming, PHP, MySQL, HTML5, CSS3, Javascript

Frameworks and Libraries: Flask, FastAPI, PHP, Pydantic, Flask-SQLAlchemy, Marshmallow, REST APIs, Familiar with Celery background task and beat scheduling, Scientific computation libraries (like OpenCV-python, NumPy, pandas, scikit-learn etc.), Kivy, Jekyll

Version Control and Devops: Git, Familiar with EC2 and NGINX

Electronics: ATMEGA-32 (Assembly and Embedded C), 89c51, Raspberry Pi, Arduino, IoT, ESP32, ESP8266, Familiar with PIC16F

Electronics Embedded Systems during my graduation. It gave me hands-on experience in electronics.

PROJECTS

Occlusion Based Pushing

This project was aimed to push a tall object towards the target by pushing the tall object through an occluded area towards the target using a mobile robot that uses omnidirectional drive. We used OpenCV-python for object detection using a camera as well as a PID controller to minimize error. The project was run on Raspberry Pi.

Home automation using Raspberry Pi

In order to control and monitor the devices at home, we used a PHP library called WiringPi.

LANGUAGES

Malayalam, Hindi, English