ADITHYA RATHNAYAKE

SOFTWARE ENGINEER INTERN

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SKILLS

- Python
- Django Framework
- Html, CSS, JS
- C# .Net
- Java
- IoT Development
- Embedded Development
- Mobile Development (Flutter)
- Git
- Operating systems

LANGUAGES

- English
- Sinhala

ART TECHNOLOGY

- Adobe Photoshop
- Adobe Illustrator

CERTIFICATIONS

- Certificate Course in Software Engineering (NIBM) 2017 Jul

- Certified Microsoft Innovative Educator (Microsoft education center) 2021 Feb

- Python Data Structures (SoloLearn) 2021 Mar

OBJECTIVE

To obtain a challenging and responsible position in a dynamic company, leveraging my academic credentials for the organization's progress and success, and to update myself with the latest technologies, thus further progressing in my career.

WORK EXPERIENCE

Software Engineer Intern

Adapt Information Technologies (Pvt) Ltd | Dec 2021 - Present

- Scalable Internet of Things (IoT) solutions were researched, designed, and implemented.
- Used Django framework to create the backend of the web - based applications.
- Worked on REST API's and various IoT platforms.
- Worked on several Map APIs to create GPS-based applications for devices.

EDUCATIONAL HISTORY

Coventry University

Coventry, UK | 2022 - 2024

- BSc (Hons) Computing

National Institute of Business Management (NIBM)

Kandy | Sep 2019 - Dec 2021

- Higher Diploma in Software Engineering (2nd year)
- Diploma in Software Engineering (1st year Full Time)
- Certificate Course in Software Engineering (Foundation)

Vidyartha College Kandy

Kandy | G.C.E A/L (2019)

Sri Chandananda Buddhist College Kandy

Kandy | G.C.E O/L (2016) (English medium)

PERSONAL SKILLS

- Presenting
- Team Coordination
- Project Management
- Critical Thinking

FIELDS OF INTERESTS

- Backend Development (WEB)
- Java EE
- IOT
- Mobile Development

REFERENCES

Mrs. Inoka Abeysinghe
Consultant Lecturer,
NIBM,
No 2, Asgiriya Road, Kandy,
+94 (77) 780 7383

Mrs. Sathya Wijewardhana
Consultant Lecturer,
NIBM,
No 2, Asgiriya Road, Kandy,
+94 (76) 996 6770

PROJECTS

Vehicle Route Optimization

Team member | Jan 2022

- The Vehicle Route Optimization service allows you to adaptively optimize routes for multiple vehicles visiting a sequence of locations while maintaining real-world constraints in mind, such as limited vehicle capacity or delivery time windows.
- This project required me to work as a backend developer to create the API configurations and Map Setups.
- **Technology Used**: Html, CSS, JS, Python,Django, HERE maps.

Wialon Bus Tracker

Team member | March 2022

- In this project we track busses owned by Richardson and then display processed telematics inoformation relevent to each bus stop along the bus's route. This information will be displayed along with ads to provide an incentive to adopt this technology.
- This project required me to work in the backend as well as in the frontend.
- **Technology Used**: Html, CSS, JS, Nimbus API,Linux

Smart ATM Security using IoT

Team member | Feb 2022

- The goal of this project is to propose an architecture that enables the provisioning of several financial services via ATM terminals, thereby improving security in the event of unauthorized access using Internet of Things (IoT).
- This project required me to research and start development through getting knowledge about IoT.
- **Technology Used**: IoT, Python, Embedded programming

Asset Management Solution

Team member | Dec 2021

- IoT asset management refers to the tracking and management of individual network-connected assets via a sensor(s) that use deep packet inspection (DPI) to capture and report detailed asset information such as make, classification, location, operating system, serial number, application/port usage, and more.
- This project required me to research and start developing a full stack web application using the flespi IoT platform.
- **Technology Used**: Flespi Platform, Python, Django, IoT Devices, Flespi REST API