



Sudil Hasitha Piyath Abeyagunasekera

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I have completed my undergraduate degree in data science at SLIIT. I want to explore new topics related to data science and machine learning. I would like to stay organized and learn about the novel technology and methodologies used within the industry.

Educational Background

- Bachelor of Science in IT: Specialization in Data Science (Current CGPA 3.32) Sri Lanka Institute Of Information Technology
- Pearson BTEC HND in Electrical and Electronic Engineering (2021 - Reading)
- Publish a research paper:
 - "Enhance the explainability of medical images unifying current XAI techniques" presented in the IEEE 7th conference for the latest discoveries in Convergence in Technology in Asia pacific.
- In Dean's List 2nd Year and 3rd Year
- Diploma In Hardware And Networking (Government Vocational Training College Dehiwela) (2017)
- Diploma in English (ICBT Campus) (2014)
- GCE Advanced Level Results: Physics- C, Chemistry – C, Biology C (2016-English Medium)
- Studied at Ananda College for Advanced level (English Medium)
- GCE Ordinary Level Results: 9 A's (2013 English Medium)
- Studied at Prince Of Wales College Moratuwa (English Medium)
- Completed LinkedIn Learning course Become a Python Developer
- Completed Data Analyst with Python career path in Data Camp

Competencies

- Python, Tensorflow, OpenCV, SQL
- Fluent in English
- Talented in communication
- Ability work remotely
- Strong foundation in computer science mathematics and statistics
- AWS
- Hadoop (HiveQL)
- Tableau, PowerBI
- Studied SCRUM and SDLC

Experience

- Software Engineer at HCL Sri Lanka (January 2022 - Present) working on Cisco 5G project.
- Worked as Business Analyst Intern in Dialog Axiata PLC. (6 months)(January 2020- July 2020)
- Design and develop an IoT system for suspicious vehicle detection using Raspberry Pi, Python, Tensorflow OpenCV and Linux.
- Design and develop a system for video game demand forecasting using data mining and ML techniques (Python).
- Develop a sentiment analysis model for hotel reviews (Python).
- Design and develop a Student Management System for Viduravi Institute Moratuwa using C#.
- Design and develop Face Recognition APP with MERN stack.
- Currently developing an e-commerce site using MERN stack
- Design and develop responsive websites using the frontend (HTML, CSS, Bootstrap, JavaScript) backend (Java) for an assignment.
- Work with Visual Studio Code, Visual Studio, Eclipse, RStudio, MySQL, SQL Server, MATLAB, Cisco IOS, Android Studio for college assignments.
- Working knowledge with Microsoft Office.
- Automating Excel tasks with Macros (VBA).
- Design and develop Android App as an assignment.

Comfortable working with

- Programming Languages: Python, Java
- Version Controlling: Github
- Databases: SQL Server, MongoDB, Hadoop
- Operating Systems: Windows, Linux OS
- Interface Layers: REST

Extracurricular Activities

- Winner of inter dojo tournament Kyokushin Karate (IKO1) 65-70kg weight category 2018
- Winner of National full-contact karate tournament 65-70 kg weight category 2017.
- Runners up in 2013 wrestling 65kg weight category.

Work Experience and Project Descriptions

Business Analyst Intern in Dialog Axiata PLC. (from January 2020 to July 2020)

- Automate monthly report generation processes using VBA.
- Perform UAT testing in Android mobile applications.
- Perform Price point analysis, Revenue analysis using data from Excel, Tableau, Hadoop and create forecasting models.

Design and develop an IoT system

- Use Raspberry Pi as the microcontroller unit with Pi camera, LDR, Motor controller unit with Stepper motor, Servo motor integrated as actuators and sensors.
- Use Pretrained COCO model to detect vehicles and OpenCV to manipulate video frames and draw bounding boxes.
- Suspicious vehicles are detected based on the license plate numbers utilizing the Tesseract OCR model
- Use MQTT protocol to communicate between Client (Microcontroller) and Server and expose Server data to HTML, CSS, JS, AJAX-based front end using Python Flask REST API.

Design and develop a system for video game demand forecasting

- Involved in developing and evaluating Machine learning models using decision tree-based algorithms.
- Involved in the backend design process using Python.

Develop a sentiment analysis model for hotel reviews

- Perform data preprocessing by tokenization, remove stop words, stemming and lemmatization.
- Build sentiment analysis models with SVM, KNN and Naive Bayes algorithms using the sk-learn package.

Design and develop student management system using C#

- Design windows-form desktop application to perform student registration, student details management, timetable management and payment management integrated desktop application.
- Use Microsoft SQL Server as the Database.

Design and develop face recognition app using MERN stack

- Use Mongo DB to store registered user data, React for UI design and Node.js as the backend.
- Use REST API design and developed with Node.js to communicate with the face recognition CNN model.

Design and develop Java Web Application

- Design and develop Java JSP servlet based event management system.
- Design and develop database schema and use My-SQL as the Database to implement the CRUD operations using the database schema.
- Design and develop a mobile responsive interface.

Design and develop Data warehouse for an assignment

- Design and develop SSAS cube, Deploy OLAP cube, perform OLAP operations using MDX queries and generate SSRS reports.
- Design and develop PowerBI to present results and KPIs to the management.

Non related referees

Mr Crishane Perera
B.Sc.(Hons.) Special in Computer Software Engineering, University of Westminster

Associate DevOps Lead
Dialog Axiata PLC
Contact Number: 077 733 0710

Mr Lakal Fernando
B.Sc.(Hons.) Information Systems and Business Management

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