

Vidushraj Chandresekaran

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LinkedIn

Github

PROFILE

An enthusiastic and open-minded team worker who is willing to become a well-organized professional with a dynamic and competitive environment and be a part of a progressive organization.

WORK EXPERIENCE

- **Insharp Technologies (PVT) Ltd** High Level Rd, Maharagama
Data Scientist Oct 2020 - Present
 - Worked on resume parsing algorithm and evaluated of rule-based text extraction and ML-based text extraction in the context of resume parsing. Achieved 100 % accuracy on parsing LinkedIn type resumes and more than 50 % accuracy on other types of resumes.
Technologies : Python | MySQL | Flask | Spacy | NLP
 - Worked on redacting candidates personal details on resumes (name, email, photo, phone number).
 - Worked on building a chat bot for carrier assistance using RASA framework.
 - Build out the data and reporting infrastructure from the ground up using Power Bi and SQL on HR domain.
Technologies : Python | PowerBi | SQL | Excel | Flask
- **Faculty of Engineering, South Eastern University of Sri Lanka** Oluvil, Sri Lanka
Temporary Instructor : Department of Computer Science and Engineering Mar 2020 - October 2020
 - Was responsible for conducting lab sessions and devising relevant practical activities.
 - Developed a Mobile application and Web application for inventory management system.
- **Vega Innovations** Colombo-10, Sri Lanka
Electronic Engineer Intern Nov 2018 - Feb 2019
 - Designed printed circuit board and tested battery management system of Vega super car and Electric mini cooper.
- **Lanka Electricity Company Private Limited** Colombo-03, Sri Lanka
Electrical Engineer Intern Mar 2017 - June 2017
 - Understand the plan layout of electric power distribution lines and stations under LECO.
 - Examined installations and observed operations in low voltage distributions.

SKILLS

- **Programming Languages:** Python, C++
- **Database:** SQL (SQL Server Management Studio, Postgres, MySQL), NoSQL (MongoDb)
- **Data Visualization Tools:** Power BI, Tableau
- **Deep Learning Framework:** TensorFlow, Keras, PyTorch
- **Python Libraries:** Numpy, Pandas, PySpark, Matplotlib, Seaborn, Spacy, NLTK, BeautifulSoup, Scrapy,
- **Web Framework:** Flask
- **Version Control:** Git
- **Platforms:** AWS (EC2, S3)
- **Networking Tools:** Cisco Packet Tracer, GNS3, Wire Shark

EDUCATION

- **South Eastern University of Sri Lanka** Oluvil, Sri Lanka
Bachelor of Science in Electrical and Electronic Engineering; Second Class Upper Division Feb. 2015 – Feb. 2020

PROFESSIONAL CERTIFICATES

- **Microsoft Certified: Data Analyst Associate**
Certification ID: 16277566
- **Cisco Certified Network Associate - CSC013300821**
Routing and Switching

PROJECTS

- **Research on fine tuning pre-trained deep learning models for image classification.:** In this research work I have collected 2500 images of 25 different plant species to evaluate the performance of pre-trained models for image classification.
(Transfer Learning | *TensorFlow* | *Keras*)
- **Survey of the IT job market in Sri Lanka using a web crawler.:** Scraped images and text data from sri lankan online job posting websites and extracted the keywords.
(Web scraping | *BeautifulSoup* | *Scrapy*)
- **Text classification using Bert:** Developed a text classification model on IMDB Movie data set.
(NLP | *TensorFlow* | *BERT*)
- **Blister Blight Disease Prediction:** Gathered relevant data from Nayapana tea estate and developed a machine learning model to predict blister blight disease occurrence and deployed that model into a web application.
(*Flask* | *KNN* | *Heroku*)
- **Tomato Leaf Disease Classification:** Developed a web application to classify tomato leaf diseases.
(Transfer Learning | *TensorFlow* | *Keras* | *VGG16* | *Flask* | *HTML* | *CSS*)
- **Real-time human face recognition using Raspberry pi.:** (*OpenCV* | *Raspberrypi3b+*)
- **Mobile Phone Detector:** Designed printed circuit board to detect mobile phones.
- **Temperature controlled DC Fan:** Temperature controlled DC fan can cool electronic devices by operating a DC fan when the temperature in its vicinity increases above the preset level.
- **Obstacle Avoiding Robot:** Developed an arduino based robot to avoid collisions using ultra sonic sensors.

PUBLICATIONS

- **Extracting Information from Online Job Posting Websites in Sri Lanka** Dec 2020
National Engineering Research and Development Centre of Sri Lanka
- **IoT Based Drip Irrigation Method for Tea Plantation** Oct 2020
7th Annual Research Symposium 2020, Faculty of Engineering, University of Ruhuna

INTERESTS

Machine Learning	Deep Learning	Natural Language Processing
Data Visualization	Data Cleaning & Manipulating	Data Analysis

EXTRA CURRICULAR ACTIVITIES

- **Membership:**
Associate Member - Institute of Engineers Sri Lanka (IESL) (2020 - present)
Associate Member - Engineering Council, Sri Lanka (ECSL) (2020 - present)
Member of EEE society in SEUSL.
- **Sports:**
Participated in table tennis in Sri Lanka University Games.

REFERENCES

Dr. Keerthi Gunawickrama
Senior Lecturer,
Department of Electrical & Information Engineering,
Faculty of Engineering,
University of Ruhuna, Galle.

Dr. P.M.K. Alahakoon
Head of the Department,
Department of Electrical & Telecommunication
Engineering, Faculty of Engineering,
South Eastern University of Sri Lanka.

Note: Referees' contact information is available on request.