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Github
github.com/SachinthaDilshan96

Stack Overflow
stackoverflow.com/sachinthadilshan

Kaggle
kaggle.com/sachinthadilshan

Portfolio
https://myPortfolio/

Skills

Statistics

Mathematics

Machine Learning

Data Visualisation and Analysis

Web development

NLP

Software Development

UML Designing

Sachintha Dilshan
Software Engineer

Profile

I'm a self-motivated, forward-looking fresh graduate specialised in statistics and computer science streams, from University of Colombo and University of Moratuwa. I'm very much interested in software development, machine learning and data science domains. I do like to explore new technologies and love learn while supporting others. I'm seeking for an opportunity to prove my skills within the industry and improve my skills with the industry knowledge.

Experience

Trainee Software Engineer (Java) - LSEG (Oct 2022 - April 2023)

I have worked at LSEG from October 2022 to April 2023 a a trainee software engineer. I was exposed to java core, OOP concepts and data structures as a trainee. As a trainee, i was assigned to develop an exchange system using java core and socket programming. Further I could be able to participate some KT's regarding the architecture and the frameworks used by the LSEG.

Education

- **BSc. (Hon's) in Statistics and Computer Science**
  University of Colombo.
  (2018-2022)

- **BIT (External)**
  University of Moratuwa.
  (2018-2021)

Projects

- **Construct an AI based stock market index – Final year Research (UoC)**

  A new stock market index for the CSE was constructed using AI based techniques such as NLP, sentiment analysis and neural networks. The new index was free float adjusted to better reflect the stock market behaviour. The Python was used as the programming language. This research has been published on SLAAS Annual sessions 2022

- **A Web platform with multiple online Tools – Tools Master**

  This project was developed based on my own idea. Tools Master is a free online platform with multiple online tools. At the moment it consists with multiple video downloaders, paraphrasing tool and a summarization tool. All these are API based tools and platform was developed using React and tailwind CSS.

Soft Skills

Ability to work under pressure

Time Management

Leadership

Adaptability

Languages

Python

Java

Java - Script (React)

SQL - (MySql)

Honours and Awards

ICDS2021 MINI-HACKATHON –
Team Xpress

HackX – Hackathon (2019)

Startups

Tools Master (toolsmasteronline.com)

References

Rohan Fernando
Associate Director
Acuity Knowledge Partners
0773260719

G.M.S.M. Gunarathna
Software Engineer
Bridgetechlabs
0768449037

- **Predicting COVID-19 using ML and implement it as a mobile app.**

  Symptoms and COVID Presence data set was used to predict the presence of COVID19 using ML. Python language was used to construct the model and practically implemented it using a mobile app which was developed using react-native. SVM, RF, ANN and XGB algorithms were used to model the dataset and XGB could predict the presence of COVID19 around 90% of success.

- **MyShopApp - A simple customer management System**

  This project was implemented using Java and MySql database. The System's UI was developed using JavaFX and MySql was used as the database. OOP concepts and SOLID principles were applied where necessary. Layered architecture was used in the project and CRUD operations for customers, items and users were implemented using JDBC.

- **Heart disease prediction using ML**

  The Cardiovascular dataset was used to predict the heart disease using ML. Logistic regression, RF, XGB and DT were used to model the dataset. Python Language was used for the project and could achieve an accuracy around 90%.

- **Predicting True value of cars**

  A data set with car options and prices was used to construct a ML model to predict the price of a used car. Linear regression, RF and many other models were used and the lowest RSS was given by RF.

- **Predict Potential Spammers on Fiverr (Kaggle Competition)**

  This project was done as submission for the Kaggle Competition of Predict Potential Spammers on Fiverr. Random Forest and XGB Classifier were used to predict the spam behavior and 98% score could be achieved for the final submission. My submission was ranked for 87th place from all the competitors around the world.

Certificates

- **Natural Language Processing – Udemy**
- **Applied Machine Learning – Coursera**
- **Introduction to Data Science – Coursera**
- **OOP with Java – Coursera**
- **Python – Hacker Rank (Silver Badge)**
- **Java – Hacker Rank (Bronze Badge)**
- **SQL - Hacker Rank**

Memberships

- **Stat Society – UoC/ FOS (former web coordinator)**
- **SLAAS**
- **UoC Mind Blowers Toast master's Club (Developed the Webpage of the club – Link)**