Chander Mohan

0432687415 Github chandermohan.com Linkedin chander.mohan11@hotmail.com

Summary

As a recent graduate, My motivation for pursuing a career in Data Science is stems from its role in identify patterns, trends and extract meaningful insights from vast and complex datasets that enable organizations to make data-driven decisions. I believe that working in the Data Science Field will not only challenge me to continually learn and grow but also provide a platform to apply innovative solutions to complex problems, making a meaningful impact in the tech space.

Education

RMIT University Feb 2022 – Nov 2023

Master of Data Science

Coursework

Advanced Programming for Data Science, Algorithms and Analysis, Machine Learning, Big Data Processing, Deep Learning, Database Concepts, Data Visualisation, Applied Analytics

CDLU University Jun 2016 – Jul 2019

Bachelor of Science (hons) Mathematics

Coursework

Descriptive Statistics, Real Analysis and Probability, Discrete Mathematics, Calculus, Computer Networks, Operating System, Data Structure

Skills

Languages: Python, R Programing, SQL, HTML, CSS, Java, Hive,

Libraries and Frameworks : TensorFlow, ML Flow, Scikit-learn, Flask, Django, Hadoop, NLTK, Pandas and Numpy, Map-Reduce, Keras API, Streamlit

Tools and Platforms : Google Cloud Platform, AWS, Netlify, GitHub, Heroku

ML Ops : DVC (Data Version Control), MLFlow, Model Deployment, CI-CD pipeline,GitHub Actions

Experience

CSIRO | *Data Science Intern* Jul 2023 – Nov 2023

- Applied Machine Learning Techniques on real world Problem and used genetic data provided by client.
- Developed and implemented innovative data augmentation methodologies for tabular data in the genetics domain. Very under-researched area in data augmentation on tabular data
- Developed and implemented an end-to-end pipeline that transformed healthcare sector data into a more generalized format, enabling data-driven insights for organizations with limited data,

CIFT Computer Technology | *Data Analyst* Jun 2020 – Aug 2021

- Applied different python frameworks and libraries to clean and analyse data
- Using Database Management system to store and organize Datasets.
- Recognized significant patterns and trends within datasets. And report findings to stakeholders.
- Ensuring data integrity and accuracy while doing data management and security.

Experience

DCS Recruitment | *Data Analyst Intern* Nov 2019 – May 2020

- Utilized SQL and Relational Data Management system to store the large Datasets
- Applied numpy and pandas for cleaning large Dataset and created visualization and get insights from data by using different analysis tool with the help of python.
- Collaborated with other team members for creating comprehensive reports and summarizing findings.

Projects

Portfolio Website chandermohan.com

- This portfolio is a reflection of my professional journey, personal projects summary, including a deep dive into Node.js for this particular project.
- Design & Developed Custom Components and used Modern framework and Reactjs APIs

Automated Facial Emotion Recognition

- The objective of this project is to develop a single CNN neural network that will automatically recognize facial expression and facs code for an image.
- Implemented Neural Network CNN model to create this model
- Explored different image pre-processing tools and libraries to analyse and clean the image data. And Create own custom data loader for pre-processing
- Using the VGG16 Model by utilizing transfer learning with custom layers.

Predicting Liver Cirrhosis Stage using Machine Learning

- The aim of this porject is to build a model that will predict the stage of Liver Cirrhosis with the help of different type of information about patients like medical history, lab reports and other relevant factors.
- Implemented Machine Learning Concepts to predict the stage of Liver Disease
- Try to explored every step of a Data Science Project like handling missing values, cleaning, Data Analysis, feature engineering and used different model for prediction and then did model comparison.
- Summarized findings and provide a detailed explanation

Credit Risk Management Web App

- The main goal is to determine that the applicant will be able to repay their home loan within two years or not by using the information from their credit report.
- Implemented XGBoost Model to predict the Credit risk for customers
- Addressed data privacy and security considerations in credit risk management and Flask Framework is used for Web development

Job Advertisement Classifcation using NLP

- The goal of this project is to create a end-to-end project that will predict the category of a given job advertisement by using Natural language processing
- Explored text preprocessing techniques to building text classification Model pipeline and Used Word2Vec word embedding to generate the count vector representation for each job advertisement description.
- Build a machine learning model to classify Job Category on the basis of Job description by using count vector.