DEEP MENDHA

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PROFILE SUMMARY

Data science graduate seeking opportunities in the industry, specifically in machine/deep learning applications, to leverage my academic and practical know-how to support and benefit the organization.

WORK EXPERIENCE

Intern Data Scientist   July, 2022 – Aug, 2022
Elenium Automation, Melbourne

- Improve and deploy the machine learning model (Multi-class classification with transfer learning) on the Internet-Of-Things (IoT) device.
- Able to create different tools and pipelines that help streamline the process of gathering, labelling, and splitting the data to train the model.
- Experienced in creating various types of visualisations and statistics to analyse the distribution and understand the model's performance.
- Used statistical and visualisation knowledge to understand the heat release by multiple IoT devices over time.

Teaching Associate   July, 2020 – Current
Monash University, Melbourne

- Instructed, motivated, and mentored individuals in Python, Data Wrangling, Data Exploration & Visualisation for data science.
- Able to manage a team and develop required documents for the unit.
- Being in the position has helped me enhance active listening, Teamwork, Time management, and organization skills.

PROJECTS

Text Emotion   Jan, 2023 – April, 2023
- It was a Machine learning project that used Natural Language Processing techniques. The aim was to detect Emotions from the written text.
- Used standard NLP processes like normalization, tokenization, trigrams, stopwords removal, stemming.

Guard Your Heart   March, 2020 – June, 2020
- It was an End-to-End Machine learning project that helps older people in Australia to monitor their diet and exercise.
- Performed the Exploratory Data Analysis and feature selection/extraction processes on the datasets.
- Developed the machine learning model, integrated it into a website, and deployed it on the could service. So, the users can assess their heart condition and suggest diet and exercise.

Collaborative Filtering Based Recommendation System using Deep Learning   Nov, 2017 – May, 2018

- Addressed the cold start problem in Recommender System using the Similarity & Co-relation between User-User and Item-item.
- Compare various methods to implement the Recommender System using Machine Learning and Deep Learning models.
- Used Scikit-learn and Tensorflow libraries. And Algorithms like SVD and TimeSVD++.

Loan Prediction   June, 2017 – Nov, 2017

- The project aimed to check whether a person is a defaulter, using parameters like Age, Sex, Dependent, Salary, Marital status, Loan Amount, Credit history, etc.
- I have wrangled the data, using mean imputation for missing values, and used different models of Classification models like Naïve Bayes, Logistic Regression, SVM, KNN, Random Forest, Decision Tree.

ACHIEVEMENTS

- Nominated for FIT Teaching Award 2021 (Python & Data Visualization) at Monash University
- Participated in the 2019 Uni-Hackathon, Melbourne
- Achieved Oracle Certified Java Programmer in 2015
- Volunteer for National Service Scheme from 2014-2018
- Organised the Android workshop for three days in Tech-Fest (2016-2017)

COMMUNITY & LEADERSHIP

Project Lead – Monash University   March, 2020 – June, 2020

- Responsible for team building, internal communication
- Translating the problem statement into solutions
- Responsible for managing and delegating work during the project
- Presenting the finished product to stakeholders

Peer Mentor – Monash University   June, 2019 – June, 2020

- Mentored new students with Academic and Extracurricular activities.
- Involved in organising multiple cultural events for students
- Took responsibility for the academic and environmental well-being of first-semester students.
- Acted as a communication channel between students and administration

PROFESSIONAL SKILL

Active Listening

Analytical Skills

Teamwork

Problem Solving

Time Management

Critical Thinking

TECHNICAL SKILL

Python (Programming)	R (Programming)	SQL
Data Visualisation	Machine Learning	Docker
Cloud Computing	Tableau	AWS
Deep Neural Netwroks	Power BI	Computer Vision
Data Curation/Wrangling	Big Data	Git
Aritficial Intellegence	Jira	C (Programming)

EDUCATION

Masters's in Data Science   2018 – 2020
Monash University, Victoria

Major in Advance Data Analytics (Data Visualization, Data Wrangling, Data Modelling, Advance Data Analytics, Data Analysis of Algorithm)

Bachelor's in Information Technology   2014 – 2018
Charotar University, India

REFERENCES

Provided upon request.