

Dylan Adimoolum

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I am a postgraduate student who has completed his studies in Data Analytics and Science. I am an aspiring Data Scientist/Engineer/Analyst or ML Engineer. As a Former Software Developer, I have a deep passion for technology, data analysis and coding. I thoroughly enjoy the process of identifying problems and solving them using Machine Learning techniques. I have a team-oriented attitude and a desire to constantly keep learning.

PROJECTS

Heart Attack Predictions (Classification)

- Performed data extraction, cleaning and EDA on a heart attack analysis dataset using Python (NumPy & Pandas).
- Full EDA was performed using Matplotlib, Seaborn, Plotly and performed preprocessing using Sklearn tools.
- Created a prediction model by assembling several classification models, comparing metrics and deciding on the best model for heart attack predictions.
- Machine Learning algorithms used – Naïve Bayes, K-nearest neighbors and Support Vector Machine.
- Support Vector Model accuracy 91% and AUC score of 0.9

Twitter Sentiment Analysis (Neural Network)

- Performed data extraction, cleaning and EDA on a Twitter post dataset using Python (PySpark).
- Full EDA performed using Matplotlib, Seaborn and performed preprocessing using Sklearn and natural language toolkits.
- Created a prediction model using a Recurrent Neural Network.
- RNN accuracy 78% and AUC score of 0.86

EXPERIENCE

Software Developer

Jan 2020 - Jan 2022

Pilotfish Digital, 1st Floor, The Terrace Building, Lion Match Office Park 892 Umgeni Rd, Durban, 4001

- Code various Webpart applications using either JavaScript or TypeScript as backend and HTML/CSS as frontend.
- Application testing for Pilotfish projects and bug fixing any issues from client experience.
- Creating and updating PowerBi reports as well as data handling of the report's CSV data source.
- Modernizing the Pilotfish old tenant website to Modern SharePoint, recreating old apps into SPFX Webparts using REACT as a framework.
- Creating User Guides of Pilotfish's completed apps and have the guides ready for user consumption.

Mobile & Website Application Developer

Jan 2019 - Dec 2019

GoalPro Solutions, Durban

- Coding and creating the GoalPro mobile application using Android Studio and Java.
- Providing feedback and regularly assisting my team on the GoalPro website.
- Regularly providing updates to the GoalPro client and relaying client feedback back to my team

IT Admin's Assistant

Jan 2018 - Jan 2019

Dylan Roofing CC, Durban

- Creating and updating any data tables on Excel for employee wages or equipment tracking.
- Maintaining and replying to company emails.

EDUCATION

Postgraduate Diploma - Data Analytics and Science

Jan 2022 - Feb 2023

Varsity College Durban North, 12 Radar Dr, Durban North, Durban, 4051

- Achieved 7 Distinctions upon completion.
- Data Science - achieved 90% aggregate.
- Programming for Data Analytics - achieved 91% aggregate.

Bachelor's Degree - Computer and Information Science

Jan 2017 - Jan 2020

Varsity College Durban North, 12 Radar Dr, Durban North, Durban, 4051

- 7 Distinctions in First Year of University
- 6 Distinctions in Second Year of University
- 5 Distinctions in my Third/Final Year of University
- Achieved an Academic Bursary for my Second Year of University.

SKILLS

Programming / Technical

Python, PySpark, Jupyter Notebook, SQL, Panda, NumPy, Scikit-learn, Keras, TensorFlow, NLTK, Azure, HTML/CSS/JavaScript, SharePoint, Java, C#, REACT.

Data Visualization

Excel, Matplotlib, Seaborn, Plotly, PowerBi.

Machine Learning Algorithms

Naïve Bayes, K-Nearest Neighbors, Support Vector Model, Linear Regression, Logistic Regression, Decision Tree, Random Forest, Neural Networks.

CERTIFICATIONS

Azure Data Scientist Associate DP-100

2022

Microsoft - https://www.credly.com/badges/4cfc8e07-edb1-4ed5-8a89-e77278fa6b85/public_url

REFERENCES

Pilotfish: Lynda Hunter (Director) - Lynda@pilotfish.co.za - 082 886 7636

Pilotfish: Reece Baptie (Developer) - reecebaptie@gmail.com - 071 350 6692

Varsity College: Sarina Till (Head of School) - Ctill@varsitycollege.co.za - 071 868 2911

Varsity College: Ebrahim Adam (Lecturer) - eadam@advtech.co.za - 083 886 411