Avinaash Padmanabhan

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EXPERIENCE

Data Analyst Intern   June 2018 – August 2018
OCBC | Singapore

- Supported the Mobile Development team in developing three separate applications that helped to offer and advertise banking services
- Analyzed large data sets concerning customer data used to build models to predict which customers to advertise banking products to. Tracked KPIs for product sales and customer interactions with web applications
- Collected, cleaned and delivered data from customers who played games designed by the bank to offer them promotions.

Trade Strategy Modelling   June 2020– August 2020
Self- Employed| Singapore

- Built financial trading models based on currency-pair data from 2015 onwards
- Performed with a return of 10% for on a limited portfolio trading EUR/USD pairs

Assistant to Graduate Advisor   August 2019 – May 2020
Carnegie Mellon University |Pittsburgh PA

- Created database for student information pertaining to the graduate architecture department using Excel and SQL
- Organized sensitive student academic information from years 2010-2019 into an easily accessible format

EDUCATION

Carnegie Mellon University | Bachelor of Statistics and Machine Learning   May 2021

- GPA: 3.2/4.0
- Advanced courses in Machine Learning (10-301), Methods of Statistical Learning (36-462)

DATA SCIENCE PROJECTS (https://avinaashp.github.io/Portfolio-Website/)

Cardano Twitter Sentiment Analysis: Using Scrapped Tweets about Cardano to analyse sentiment

- NLP regex to process 200,000 tweets scrapped from twitter to components words
- Processed tweets through VADER sentiment model, output sentiment chart against cardano price action

Customer Churn Analysis: Teclo data model to predict customer churn

- Cleaned and explored feature relationships in Telco data to identify customer churn factors
- Developed predictive model using XGBoost and Catboost to identify future churn

Kaggle Competition – Grocery Sales Forecasting Top 5% Result

- Decomposed and analyzed time series charts of grocery sales from an Ecuadorian grocery chain
- Experimented with time series forecasting models like Facebook prophet, XGBoost regressor

HARD SKILLS

Excel | SAS | Python & R Data Analysis| C | SQL and BigQuery |VBA| Tableau & Power BI | Pandas | Data Warehousing |Data Visualization

SOFT SKILLS

Strong Communicator | Team-Worker| Curious and Goal-Driven