Apoorva Havanur

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LINKS

Github:// **ahavanur**
LinkedIn:// **apoorvahavanur**

EDUCATION

CARNEGIE MELLON UNIVERSITY

B.S in Statistics and Machine Learning
Additional B.S in Economics
Minor in Computer Science
GPA: 3.7 / 4.0 | May 2018

COURSEWORK

COMPLETED

15-688 Practical Data Science
11-441 Natural Language Processing
10-601 Introduction to Machine Learning
15-210 Data Structures and Algorithms
36-402 Adv. Methods in Data Analysis
36-420 Data Mining
73-374 Advanced Econometrics

TEACHING ASSISTANT

15-112 Fundamentals of Programming and Computer Science (Spring 2018)
73-160 Foundations of Microeconomics (Spring 2017)

SKILLS INTERESTS

PROGRAMMING

Proficient
Python (pandas, numpy, scipy, networkx) • R (ggplot2, tidyverse, shiny) • SQL • SML • LaTeX

Familiar:
C • Java • VBA • Hadoop

INTERESTS

Econometrics • Data Visualization • Machine Learning (feature engineering) • Networks & Graph Analytics • Functional Programming

OTHER

Microsoft Office • Public Speaking • Conflict Resolution • Basketball • Standup Comedy

EXPERIENCE

FACEBOOK | Data Scientist

September 2018 - present | Menlo Park, CA

- Incoming data scientist in the Menlo Park office

FACEBOOK | Data Science Intern, Growth Infrastructure

May 2017 – Aug 2017 | Menlo Park, CA

- Engineered features for identity verification model used in WhatsApp For Business app, achieving 98% precision and recall values.
- Uncovered significant data pipeline issue in 46% of related Hive records and worked with engineering team to resolve using Python and SQL.
- Created dashboard to improve monitoring of internal experimentation platform and identified opportunities for tool development.

IBM WATSON HEALTH | Data Science Intern, Innovations Team

May 2016 – Aug 2016 | Cleveland, OH

- Implemented hazard survival model for coronary heart disease with Java and MapReduce framework, using healthcare records from more than 55 million patients stored in Hbase database
- Designed novel fuzzy string matching algorithm to improve standardization efforts, catching 600% more mismatches in records and reducing false positives by 50

RESEARCH & PROJECTS

UNDERGRADUATE THESIS | Measuring the Impact of Social Networks on Buying Behavior

Aug 2017 – May 2018 | Advised by Prof. Maryam Saeedi

Used Yelp data to uncover links between reviewer social network structure over time and Pittsburgh business success. Modeled networks in Python and ran random forest and lasso regression models in R, achieving high predictive power.

RAIDER | Report Analytics & Intelligence Data Examination in R

Jun 2018 – Aug 2018 | Koror, Palau

Consulted with the the Palau Financial Intelligence Unit to create a comprehensive analytics dashboard using R Shiny and Microsoft Access. Created time series graphs, timelines, maps, and wordclouds using ggplot and Leaflet, incorporating bank records, immigration history, and customs reports.

AWARDS & HONORS

2018 Best Thesis Defense, Meeting of the Minds CMU
2018 Best Thesis in Economics, Tepper School of Business
2018 Senior Leadership Award Recipient
2018 University, Dietrich and Tepper College Honors
2017 Andrew Carnegie Society Scholar
2016 1st Place, Tartan Data Science Cup

INVOLVEMENT

2018 - 2018 TCinGC (Technology Consulting in the Global Community)
2014 - 2018 Moneythink CMU (President, 2016-2017)
2014 - 2018 Alpha Kappa Psi Co-ed Professional Business Fraternity
2015 - 2017 Resident Assistant