Aditya Arora
Data Scientist

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EXPERIENCE

Data Scientist - Consumer   Wish/Contextlogic
Jan 2021 - Apr 2021   San Francisco, CA (Remote)

- Intern on the Consumer Data Science team

Software Engineer - Payments   Wish/Contextlogic
May 2020 - Sep 2020   San Francisco, CA (Remote)

- Improved transaction success by 3% for an annualized improvement in GMV by $15M by setting up remove item retry mechanism for insufficient fund transactions
- Improved traceability of fraudulent actors by marking user sessions with a multi-factor authentication session key to log high risk events
- Increased average customer satisfaction by 3% by designing a user flow to allow users to change their payment method after placing an order
- Setup infrastructure using Pytest fixtures to enable improved testing coverage for key code paths
- Reduced fraud through post-purchase address updates by incorporating address verification flows

Software Engineer   KitchenMate
Sep 2019 - Dec 2019   Toronto, ON

- Increased customer food satisfaction by 40% by devising a statistical model based on customer reviews to isolate performance driving metrics for weekly menu design using Pandas/SciPy
- Setup a data analysis pipeline for food safety alerts on 150+ trigger keywords in customer reviews
- Built a top level dashboard with over 60 internal KPIs in Metabase to gauge performance of corporate customers in a single glance
- Developed over 70 dashboards in PostgresQL/Metabase to measure internal KPIs across customers

Data Engineer   DraperAI / Perpetua
Jan 2019 - Apr 2019   Waterloo, ON

- Reduced customer conversion time by 15% by building a tool using Python, BigQuery and Google Sheets API to entice new customers
- Wrote performant and cost efficient queries for 100TB+ customer data on BigQuery
- Improved bid accuracy by 30% by analysing the performance of core algorithm in Tableau
- Decreased customer migration costs by 10% by setting up migration from competitor platforms
- Built an internal tool to detect and alert system downtime using BigQuery (GCP) and Metabase
- Found and fixed three high priority Django API bugs affecting 10% of our marquee customers

Data Scientist - Research Assistant   CPAMI, University of Waterloo
Sep 2018 - Dec 2018   Waterloo, ON

- Researched into NLP models in Python and Dialogflow for Loblaws' under Prof. Fakhri Karray to allow customers to ask contextual questions while in store
- Ported over existing solution from slower excel frameworks to PostgresQL to improve net performance of product placement data warehouse by over 30%

Data Scientist/Full Stack Developer   LCBO|next
Apr 2018 - Sep 2018   Kitchener, ON

- Wrote complete CRUD web apps and REST APIs from scratch with less than 0.1% downtime to serve data to multiple internal applications to serve LCBOs customers
- Maintained the sole Kubernetes cluster to ensure uptime of containerised deployments
- Configured and maintained deployment pipelines on Visual Studio using TFS for Azure
- Debugged and productionised a Ruby on Rails web app with over 10,000 lines of code for LCBO's corporate customers including Loblaws and Sobeys

SKILLS

Languages
Python, C/C++, Javascript, Matlab, Java, Rust

Data Science
Jupyter, Pandas, Tensorflow, Keras, Tableau, SQL (PostgresQL/MySQL), BigQuery, MongoDB, ElasticSearch, Dialogflow

Full Stack
React/Redux, NodeJS, AngularJS, Typescript, Django, Flask, Pytest, SASS, Mocha/Chai

DevOps
Docker, Kubernetes, Microsoft Azure, Google Cloud Platform (GCP), Amazon Web Services (S3)

EDUCATION

University of Waterloo
BASc in Computer Engineering, Option in Artificial Intelligence, CGPA: 92.06%

Term Dean's Honours List
For excellent academic performance for terms of Fall 2018, Winter 2018 and Fall 2017

President's Research Award
For excellent academic performance coupled with research outside of course requirement with Prof. Fakhri Karray, Chair Waterloo.AI

PROJECTS

LeapMetry   bit.ly/LeapMetry
Designed an ASL to speech converter using Leap Motion, computer vision and Azure Text to Speech API and won the CANSOFCOM Data Analysis Challenge at Hack The North 2019

WaterlooWorksV2.0   bit.ly/ww_V2
Improves job search and filtering for students at UW, modernizing the user interface of the official job search platform using ReactJS, Node.js, MongoDB and ElasticSearch

Ray Tracer   bit.ly/ja_rt
Wrote a ray tracer in Rust with defocus blur, anti-aliasing and a positionable camera

SageCo   bit.ly/theSageCo
Co-founded a design agency that works with small startups to give them a brand identity along with web portfolio to show investors
Our projects: thesage.co/work