Kabir Malkani
Data Scientist & Actuary

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Education

BSc. Data Science and Mathematics
Western University, London ON
2015 - 2020

Accreditations

Society of Actuaries Exams:
- Probability & Statistics
- Financial Mathematics
- Investment & Financial Markets
- Statistics for Risk Modelling

Deeplearning.ai Specialization:
- Deep Learning
- Structuring ML Projects
- Convolutional Neural Networks
- Sequence Models

Key Skills

Data Manipulation
Python Pandas, R Dplyr, SQL

AI & Machine Learning
Python Keras, Matlab

Backend Development
Python Flask/Django, NodeJS

Team & Project Management

Frontend Development
Javascript Vue/JQuery

Public Speaking & Promotion

Actuarial Reporting
Excel, GGY AXIS

Cloud & DevOps
Google Cloud, GitHub, Docker

Work Experience

Curabit – Co-Founder \\ CTO
November 2019 to Present
- Developed Curabit's NLP based contextual search algorithm, analytics suite, and website (currently chatitude.ca).
- Design and implementation of data flow and system architecture using cloud and code management services.
- Management of 10-person team, including multiple developers, marketing, finance, and sales personnel.

PartnerRe – Actuarial Intern
May 2019 to August 2019
- Applied rules tables to consolidate valuation model, programmatically reading risk classes from seriatim.
- Compared actual to expected claim projections to identify areas of improvement in assumptions.

Sanofi Pasteur – Data Science Intern
May 2018 to April 2019
- Built and distributed an application that uses graph theory to structure and parse enterprise resource data.
- Created a classification algorithm to detect process variances in real time data.

Other Relevant Experiences

Western AI – Co-Founder \\ VP
April 2019 to April 2020
- Held 2 lectures in which I taught 25-100 students introductory AI as well as more advanced machine learning topics.
- Organized multiple club promotion events, growing Western AI to 200 members by the end of the year.
- Invented Matchomatic, AI based Valentines dating service.

Actuarial Science Undergraduate Association – Project Manager
September 2019 to April 2020
- Lead a team of 5 to build a crime prediction model for Toronto, presented at the Canadian Under Conference in AI (CUCAI)
- Helped organize CUCAI as Western's delegate ambassador.

Seniors in I.T – Help Desk Volunteer
September 2017 to April 2018
- Assisted community seniors with their computer and mobile devices after weekly Western alumni presentations.

-References available upon request-