Madhav Malhotra

Designer, Analyst, Developer

Contact Information

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Toronto, ON, Canada

I am a 16-year-old high school student living in Toronto, Canada. I'm very passionate about digital technologies, especially in artificial intelligence, data analysis, and software design. To explore these interests, I've consulted on projects focused on real-world issues such as optimising retail costs, streamlining client management workflows, and decreasing rental turnover times. In addition, I've worked on many personal projects and hackathons to research applications of emerging technologies. I am open to internships or part-time opportunities focused on digital design, consulting, or development.

Experience

The Knowledge Society

Activator (2018.09 - present)

Consulted on recommendations for Walmart Canada and Sidewalk Labs for cost optimisation.
Consulted on client outreach plans for Wealthsimple and evaluated legal CRMs with Fasken LLP.
Researched machine learning models and data analysis with Python and Excel.
Created articles, infographics, reports, mockups, and other media for technological and industry research.

Prohibio Health

Co-founder and Developer (2019.05 - 2019.09)

Placed in top 25 for Microsoft's Discover AI Challenge while developing data models on disease transmission.
Joined the DMZ Sandbox accelerator to learn about startup strategy and pitch for seed funding.
Won the ElevateMoonshot contest at Canada's largest technology conference.

Projects

Please visit my website (madhavmalhotra.com) for my full portfolio.

CRM Recommendation

Research with Fasken LLP (2019.11)

Evaluated revenue loss from client mismanagement and lost leads in the legal industry.
Designed CRM mockup to integrate with existing tools like Salesforce.
Pitched recommendation to executives at Fasken LLP to revise recommendation features.

Turnover Optimisation

Consulting with Sidewalk Labs (2019.12)

Evaluated turnover expenses in rental housing market for proposed 2600-unit development.
Recommended partnerships and onboarding process optimisation to cut turnover times by half.

Malaria Prediction

Developing at Prohibio Health (2019.05 - 2019.09)

Cleaned and processed open-source geospatial data on weather and insect populations.
Built and tested AI regression models to predict insect disease transmission using Tensorflow framework.

Skills

Tools

Proficient: Microsoft Excel, Photoshop, Google Suite.
Knowledgeable: Figma, Tensorflow, Davinci Resolve.

Software

Knowledgeable: Python (Pandas, Seagull/ Matplot.lib, CSV), HTML, CSS

Soft Skills

Proficient: Scheduling , Leadership, Research.
Knowledgeable: Pitching, Networking, Root-Cause Analysis

Language

Proficient: English, Hindi, Urdu
Knowledgeable: French

Other

Proficient: Video-editing, photography, writing, design
Knowledgeable: web development, CAD/ 3D Design

Education

St. Robert CHS / Cameron Heights CI

International Baccalaureate & Ontario Secondary School Diploma (2017.09 - present)

Leader of Recycling Program, Tour Guide at Anne Frank Exhibition , Audiovisual Technician at Tech Crew, Youth Writer at the Kitchener Public Library, Math Club, Music Council, Environmental Council, French Club, Key Club, Junior to Senior Concert Band, Jazz Band, Choir.