

## Yajas Malhotra

+1 (778) 636-2172 | malhotra.yajas@gmail.com | yajasmalhotra.me | linkedin.com/in/yajasmalhotra

### SKILLS

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**Programming Languages:** Java, Python, SQL, R, HTML/CSS, C/C++\*

**Tools/Frameworks:** Flask, Jinja2, Numpy, Pandas, NLTK, Java SWING, Jekyll, Google Analytics, Git, IntelliJ/PyCharm/CLion, VSCode

**Document Creation:** Microsoft Office Suite, LaTeX, Markdown

**Debugging:** JUnit Testing, GDB

### EXPERIENCE

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#### CarDekho Pvt. Limited

May 2021 – July 2021

Product Analytics and Data Science Intern

New Delhi, India

- Interned with the Product Analysis team to analyze user traffic to identify trends amongst users and within the automotive market in India.
- Generated reports aimed to quantify the effects of the pandemic on the demand for various vehicle segments in cities across India.
- Planned and implemented a vehicle review moderation API in Flask that reads user reviews and filters out potential spam, saving hundreds of man-hours spent moderating.

#### Tech Needs Ghana

August 2017 – April 2019

Founder

Accra, Ghana

- Created and executed lesson plans aimed to teach basic IT to over 60 impoverished students over two years, teaching essential skills such as typing, creating documents, navigating the web, and working with email.
- Liaised with representatives and staff of local underfunded schools to organize weekly lessons for students with ages ranging from 10 to 18.

### PROJECTS

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#### Solari | [GitHub](#)

- A job portal where recruiters can post job applications, and volunteers can filter postings by various metrics such as region, company, job titles, and associated tags.
- The backend is written in Java, with the front-end being written using the JavaFX Framework. User and recruiter information and job postings are stored on a SQL database.

#### Tracker 50 | [GitHub](#)

- An online flight tracking interface that allows users to search up the status of any flight.
- The backend is written in Python, with HTML/CSS/JavaScript used to create the frontend. Usernames and passwords are stored on a SQL database. The website is built using the Flask framework in conjunction with Jinja2, and flight information is provided by the AviationStack REST API.

#### (TA)sker | [GitHub](#)

- A course administration management system to be used by faculty/administrative staff to create new courses or manage ongoing ones.
- The backend is written in Java, with the front-end being written using the Java Swing GUI framework. Created schedules are stored as JSON files, and can be transferred to other instances of the application.

### CERTIFICATIONS

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Harvard's CS50x

Advanced Google Analytics

AWS Cloud Practitioner

AWS Solutions Architect Associates (Ongoing)

### EDUCATION

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#### University of British Columbia

September 2019 – May 2023

Bachelor of Science, Cognitive Systems

Vancouver, Canada

Selected Coursework: Systematic Program Design, Models of Computation, Software Construction, Introduction to Computer Systems, Basic Data Structures and Algorithms, Elementary Statistics for Applications, Introduction to Probability