Yajas Malhotra
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EDUCATION

University of British Columbia, Vancouver, BC
Bachelor of Science, Combined Major in Computer Science, Physics, Geography, May 2023
Selected Coursework: Systematic Program Design, Models of Computation, Software Construction, Introduction to Computer Systems, Elementary Statistics for Applications, Introduction to Probability

Lincoln Community School, Accra, Ghana
International Baccalaureate Diploma Programme, May 2019
IB Extended Essay: The Application of Blockchain in Global Markets

SKILLS

Programming Languages: Java, Python, SQL, R, HTML/CSS, C
Tools/Frameworks: Flask, Jinja2, Java SWING, LaTeX, Google Analytics, Git, IntelliJ, JUnit, VS Code

EXPERIENCE

CarDekho Pvt. Limited
May 2021 – July 2021
Product Analytics and Data Science Intern — *New Delhi, India*
o Interned with the Product Analysis and Data Science teams to analyze user traffic to identify trends amongst users and within the automotive market in India.

Tech Needs Ghana
August 2017 – April 2019
Founder — *Accra, Ghana*
o Created and executed lesson plans aimed to teach basic IT.
o Liaised with representatives and staff of local underfunded schools to organize lessons.

PROJECTS

Solari | [GitHub]
o A job portal where recruiters can post job applications, and volunteers can filter postings by various metrics such as location, interests, etc.
o 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]
o An online flight tracking interface that allows users to search up the status of any flight.
o 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 Flaks framework in conjunction with Jinja2, and flight information is provided by the AviationStack REST API.

(TA)sker | [GitHub]
o A course logistic management system to be used by faculty/administrative staff to create new courses or manage ongoing ones.
o 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

Advanced Google Analytics
A data analytics certification with a focus on analyzing website traffic through various metrics and dimensions like bounce rates, user demographics, average session times, etc..

Harvard's CS50x
A computer science certification. Students learn languages like C, Python, and SQL, and eventually choose to specialize in a specific track (Wed Development, Android, iOS).