DHRUV MITTAL

2A Candidate for Honours Bachelor of Computer Science with Software Engineering Specialization

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Summary of Qualifications

- Proficient in **Java** and **Python** with **3 years** of programming experience, also familiar with **Swift**, **Dart** and **C**
- Experienced with **Android Studio**, **Xcode**, **Flutter**, **Firebase** and **Git**, through various team projects
- Comfortable in **leadership** and **decision-making** roles having led multiple clubs and projects
- Flexible and very adaptable having lived in 5 countries
- Adept at public speaking developed through debating in Model United Nations and won the **best debater in Thailand** award

Projects

SurveyTree
Waterloo, Canada

Delta Hacks, McMasters University
Jan 2020 - Present

- Built a custom survey cross-platform app using **Flutter** and Dart to assess customer satisfaction for various companies
- Utilized a **Firebase** database to store and retrieve data from **Firestore** collections and documents

UWScheduler
Waterloo, Canada

Starter Hacks, Waterloo University
Jan 2020 - Present

- Created a web app UI using **HTML** and **CSS** to optimize student course schedules
- Implemented the Request library to **scrape** websites and handle **JSON** responses to store web data
- Integrated the **Flask** microframework to connect front end with the Python back end

Student Delegate Feedback App
Bangkok, Thailand

Personal Project, Bangkok Patana School
Aug 2018 – Feb 2019

- Developed an Android app that allows students to give feedback on a range of issues, enhancing the student voice
- Utilized the **Retrotfit Java library** to handle HTTP requests to a database
- Compiled summary reports of the surveys in a locally stored CSV file to provide the leadership team with quantitative and qualitative data to support their efforts to enhance student life

Experiences

Patana Development Bank
Bangkok, Thailand

Personal Project, Bangkok Patana School
Oct 2018 – Mar 2019

- **Founded** a micro-finance social enterprise which raised funds to provide loans to underprivileged families
- Presented to the **Board of Directors** to create a financial infrastructure to support the sustainability of the club's future
- Organised Bangkok's first interschool hackathon to raise over **$3000**

STOP Human Trafficking Club
Bangkok, Thailand

Service Club, Bangkok Patana School
Jan 2018 – Feb 2019

- Led weekly club meetings as the **co-president** and delegated tasks across various club departments
- Liaised with an international NGO and the board of finance to organise and transfer club funds
- Raised over **$5000** by organizing and participating in numerous fund-raising events

ShopClues
Delhi, India

Internship, ShopClues e-commerce start-up
July 2016 – Aug 2016

- Redesigned the log-in **UX design** after analyzing market competition to decrease log-in time
- Remodelled the check-out process to encourage faster consumer purchases
- Compiled a user analysis on popular types of promotions to attract new customers

Ozone
Delhi, India

Internship, Ozone Wellness Centers
July 2017 – Aug 2017

- Completed a market analysis on services offered by competing wellness centers in Delhi
- Created a business specification of prospective services to be offered to maximise consumer satisfaction

Interests

Debate and Model United Nations (MUN), Football (Soccer), Keyboard (Piano)