

# Taqdeer Grewal

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<https://github.com/Taqdeer>

## WORK EXPERIENCE

### **Instawork, Vancouver, BC - Software Engineer**

May 2023 - Present

- Utilise the Django framework for robust and scalable backend solutions, and leveraged Hyperview to create dynamic and responsive frontend interfaces, enhancing visual appeal and usability.
- Collaborate with cross-functional teams, including product managers and designers, to ideate and execute feature enhancements and bug fixes.
- Successfully integrated Branch.io API to create deep links, facilitating effective social media sharing which increased the user engagement by 10%.
- Lead the implementation of ban and unban features in group chat using Sendbird's API which decreased the use of inappropriate language significantly.

### **Instawork, Vancouver, BC - Software Engineer Intern**

Jan 2022 - Aug 2022

- Designed and developed an automated system for posting captain shifts, reducing the workload of the operations team by 50%.
- Effectively documented the entire process, including system architecture, functionalities, and user guidelines, for seamless knowledge transfer to the team.
- Figured out the pain point of logging in users during an on-site visit and raised the issue to higher management to build QR code scanning rather than investing time in implementing search features which saved the company 2 weeks of engineering time and effort.
- Took lead to develop features on Instawork's business app and scale its usability among partners which lead to 5% increase in installations of the app per month.

### **Flint, Vancouver, BC - Software Developer Intern**

Sept 2021 - Dec 2021

- Automated the process of screening applicants in backend using machine learning algorithms to route potential candidates directly to the concerned supervisor using SMTP services of Google. Hence, simplifying the shortlisting procedure.
- Created and implemented an internal order's page for the Flint team to place business related orders which reduced the latency of placing orders by 25%.
- One of the biggest challenges and learning curve which I passed was that I learnt functional programming within a span of 3 weeks, which in turn got identified as an imperative asset by the software team at Flint.

## PROJECTS

### **dogFish**

May 2023 - Present

- Collaborated with a team of five students to develop a dynamic web application using the MERN stack, enabling users to sign up for sports sessions conveniently.
- Integrated Google Map API to show the neared sports sessions to a user's location.
- Used Google Map API to show the location of the sports session happening.
- Implemented the verification workflow of sign up by integrating Sendgrid's API into the project.
- Persuaded fellow team members to adopt Netflix's proven mental model for website scaling.
- Established a well-organised backend file structure using ExpressJS, ensuring a robust foundation for seamless development and scalability.

## EDUCATION

### **University of British Columbia, Vancouver, BC - Bachelor of Science in Computer Science**

Sept 2020 - Aug 2023

CGPA: 3.5/4.3