ANJALI GUPTA

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SKILLS

Languages: TypeScript, JavaScript, Python, Dart, SQL, GraphQL, C++, HTML/CSS, SASS
Libraries: Node, React, Redux, Apollo, Express, TensorFlow, NumPy, OpenCV, Keras
Tools: Firebase, Postman, Flutter, Git, PostgreSQL, Linux

EXPERIENCE

Full-Stack Developer – *WSIB Innovation Lab*   Sep 2021 – Present
- Collaborated to create Proof of Technology for **4 projects and 10+ features** to be presented to CTO of WSIB
- Constructed client facing QR code scanner and PDF reader for a novel employee vaccine verification system using **React**, improving efficiency of document uploads
- Implemented **RESTful APIs** served with Flask to store the vaccine status of employees via **CRUD operations**, establishing a robust framework that currently stores data for **3000+ employees at WSIB**
- Pioneered **mobile design system** for future WSIB mobile applications using Flutter and Firebase, **reducing development time** on new projects
- Built **reusable components** for design system, including push notifications, messaging features, and OAuth on both **iOS and Android** platforms

Founder – *Purple Purlers*   Oct 2018 – Present
- Founded charity that donates hand-knitted blankets to 10+ animal shelters across Ontario
- Oversaw a 15-person team to co-ordinate social media marketing, host fundraising events, and interact with volunteers, leading to the creation of **7+ satellite charities**
- Acquired **1,200+ knitted blankets** and **$10,000+** to date from donors of all demographics

PROJECTS

Sign Language Detector   Python | TensorFlow | NumPy | OpenCV | Keras ⓞ
- Created an application that prints the Sign Language letter corresponding to a user's hand gesture
- Trained and tested data by implementing a **CNN** using TensorFlow, resulting in an **85% detection accuracy**
- Currently being used by a discord community of **25+ users** as an educational tool to learn American Sign Language

Film Finder   TypeScript | GraphQL | React | Redux | Node | Express | Apollo | Firebase ⓞ🌐
- Built **GraphQL server** to organize data from OMDB API via Node and Express, increasing aggregation efficiency
- Queried GraphQL server and **cached results** to display on React using Apollo, reducing query costs
- **Maintained states** for cross-component interaction via Redux, removing heavily embedded React components

Stocks Portfolio Manager   JavaScript | PostgreSQL | Express | React | Node ⓞ
- Implemented a **REST API** served with Express to interact with **relational data** in PostgreSQL
- Established **custom hooks** in React, removing redundant functionality from multiple components
- Currently being used by an investment community of **15+ users** to make meaningful stock purchases

EDUCATION

University of Waterloo – *Candidate for BCS: Computer Science*   Sep 2020 - Apr 2025
*Relevant Courses: Object Oriented Programming (**C++**), Data Structures and Algorithms (**C**)*   GPA: 3.9

INTERESTS

Blogging/Video Production, Table Tennis, Dancing, Learning Foreign Languages, and Eating Sushi