

ANJALI GUPTA

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EDUCATION

University of Waterloo – Candidate for BCS: Computer Science (GPA: 3.9)

Sep 2020 - Apr 2025

Relevant Courses: Object Oriented Programming (C++), Data Structures and Algorithms (C)

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, GraphQL, C, C++, HTML, CSS, SCSS, R

Libraries/Frameworks: Node, React, Redux, Material-UI, Express, PostgreSQL, TensorFlow, NumPy, OpenCV, Keras

Tools: Postman, Firebase, Heroku, Git, RStudio, GitHub Pages, Visual Studio Code

PROJECTS

The Shoppies TypeScript | GraphQL | React | Redux | Node | Express | Apollo | Firebase 🌐

- Designed a fully responsive web application that allows users to query and nominate movies
- Built **GraphQL server** to organize data from the OMDb API via Node and Express, increasing aggregation efficiency
- Queried server and **maintained states** for data using Redux, Apollo, and **caching**, reducing computational costs

Stocks Portfolio Manager JavaScript | PostgreSQL | Express | React | Node | Heroku 🌐

- Designed a full stack application to automate the management of personal stock portfolios
- Implemented a **REST API** served with Express to perform **CRUD** operations in PostgreSQL
- Assembled **custom hooks** to improve reusability and scalability of React components
- Currently being used by an investment community of **15+ users** to make meaningful stock purchases

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, NumPy, OpenCV and Keras
- Currently being used by a discord community of **25+ users** as an educational tool to learn American Sign Language

Personal Website JavaScript | React | Material-UI | Node | HTML | CSS | Firebase 🌐

- **Deployed** a portfolio website to showcase projects and hobbies in React
- Constructed **reusable/scalable components** by using classes and objects, increasing website update efficiency
- Developed functionality to connect contact page to a **NoSQL database** via Firebase and Node.js

EXPERIENCE

Founder – Purple Purlers

Oct 2018 – Present

- Founded a charity that donates hand-knitted blankets to animal shelters across Ontario
- Directed a 15-person team to co-ordinate social media marketing, increase brand awareness, and interact with volunteers through Instagram, LinkedIn, and YouTube
- Acquired **1,200+ knitted blankets** and **\$10,000+** to date from donors of all demographics

Math, French & Computer Science Tutor – Self-Employed

Jul 2019 – Present

- Taught **50+ students** (ages 9 - 16) Mathematics, French and Computer Science
- Drafted lesson plans for each student's learning style and led students to better understand concepts
- Efforts have led to **100% student and parent satisfaction** and improved success in the classroom

ACHIEVEMENTS

- **Liuna Local 183 Scholarship:** Awarded to **5/1000+ students** based on academics and community involvement
- **Distinction in the International Hypatia Math Contest:** Awarded to the **top 25% of contestants globally**
- **Peel Youth Dragons' Dungeon Winner:** Awarded \$300 to **1/100 teams** for an innovative business pitch
- **2x DECA Provincial Champion:** Awarded for placing **1st in Ontario** for various project management events