ANSH CHATURVEDI

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⌗ AnshChaturvedi 🔗 anshchaturvedi.me

Education

University of Waterloo   September 2021 – April 2026
Candidate for Bachelors of Computer Science (BCS)   *Waterloo, Ontario*

Technical Skills

Languages/Frameworks: Python (Flask), JavaScript (React.js, Node.js), C/C++, HTML/CSS
Libraries/Databases/Tools: MongoDB, SQL, Git, Tensorflow, Docker, RESTful APIs, Firebase, Heroku, VS Code

Work Experience

Incoming Software Developer Intern (Backend)   May 2021 – August 2021
theScore (Score Media and Gaming)   *Toronto, Ontario*

Submissions Officer   March 2021 – June 2021
BLS International (Government of India)   *Brampton, Ontario*

- Led a team of **10+ members** to process **500+ visa/passport applications** for the Government of India
- Maintained strong relationships with customers and colleagues, developing essential collaboration and people skills
- Ensured application processing ran accurately and smoothly, reducing incorrectly processed applications by **20%**
- Used technologies like **Microsoft Office**, **Oracle database services** and **in-house internal management software** to monitor day-to-day business operations and handle private customer information with care

Projects

neverForgetter ⌗ | *JavaScript, Node.js, React.js, Express.js, MongoDB*

- Constructed a web application using the **MERN stack** to keep track of to-do list items
- Utilized **Node.js**, the **Express.js** web framework, **React.js** components to dynamically render to-do items and make the applications scalable, and the Random-Data-API for development and testing
- Used **Mongoose** to connect the backend to a **MongoDB Atlas** instance

SecretShare ⌗ | *JavaScript, Node.js, Express.js, MongoDB*

- Developed a web-based social media platform using **HTML/CSS and JavaScript** for the frontend and **Node.js (Express)** for the backend web server
- Enables users to anonymously share secrets using **OAuth 2.0 authentication protocol** for secure server-side login

Traffic Sign Classifier ⌗ | *Python, Tensorflow*

- Designed and exported a **traffic sign classification model** by building a convolutional neural network using **Tensorflow** and its high-level API, **Keras**
- Trained the model on a significantly large dataset (**German Traffic Sign Recognition Benchmark**), achieving an overall accuracy of **above 95%**

Premdictor ⌗ (**Hack the North 2020++**) | *Python, NumPy, Pandas, Flask, Jinja,*

- Selected from a highly-competitive pool of **5000+ applicants** chosen to participate at **Canada's largest hackathon**
- Developed a Premier League standings predictor using statistical models developed with **NumPy** and **Pandas**, achieving predictions with **over 90% accuracy**
- Made the predictor interactable for users by developing a frontend UI with **HTML/CSS (Bootstrap)** and a **Flask backend server** with a **SQLite3 database storag**e and **Jinja templating engine**

myFinance ⌗ | *Python, Flask, Jinja, SQLite3*

- Created a **stock market trading platform** where users could sign up, view their holdings, lookup and trade stocks
- Used **SQLite3** to securely store usernames, hashed passwords, portfolios, and the **Jinja templating engine** to dynamically render informative tables and charts for each user
- Used **IEX Cloud's Finance API** to fetch stock prices and financial news and deployed the application to **Heroku**