

ABHINAV GUPTA

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WORK EXPERIENCE

Full Stack Developer

May 2022 – August 2022

TutorOcean, Ottawa

- Utilized **React JS**, **Meteor JS**, **HTML**, and **CSS** to develop web components to implement features to the website, such as building a tutor availability blocking system and restructuring the tutor application form.
- Fixed over **40%** of issues reported across all B2B web products.
- Diagnosed issues by finding patterns in data retrieved from **MongoDB** using **Studio3T**, such as students being able to leave an online session when mandatory input fields in the check-out form are left empty.

Test Automation Developer

September 2021 – December 2021

TutorOcean, Ottawa

- Developed over **50** test cases for the B2C website using **Robot Framework**, **Selenium WebDriver**, and **Python** in the **IntelliJ** development environment.
- Singlehandedly set up the company's Mobile Test Automation department, where **Appium** is being used with **Robot Framework** to develop test cases.
- Maintained high work output by following the Agile with Scrum methodology.

Co-Founder and CTO www.serv2u.org

May 2022 – Present

Serv2U, Waterloo

- Managed and technically mentored a team of 5 web and UI developers.
- Developed efficient and reusable frontend web components to improve the platform's performance by **50%** using **React JS** and **CSS**.
- Built a sophisticated verification system for signing up new users on the platform, which included using State and Effect **React Hooks**.
- Deployed a **Flask** server and **NodeJS** frontend using **Heroku**.



PROJECTS

TRIP TAILOR



- Developed an AI platform that enables users to make their travel plans for any country in the world with ease; submitted to the UofTHacks hackathon.
- Engineered and built a multi-table **PostgreSQL** database to store users, destinations, and their relationships, which is managed by **ElephantSQL**.
- Developed the backend API in **Python** using **Flask** and the frontend API in **JavaScript**, both of which I hosted on the **Render** platform.
- Fetches and displays images to the **React JS** frontend from the **Unsplash API** whose queries are real cities generated through NLP by the **Cohere API**.

TIMEY



- Developed the backend API in **JavaScript** using **Express** and **Mongoose** for an application that enables users to manage their time effectively.
- Tested API endpoints and analyzed query results from **MongoDB** using **Postman**.

CONNECT+



- Developed an immersive digital application of the physical board game, Connect4, in **C** for the AstonHack 6 hackathon.
- Implemented additional features like the ability to decide the size of the board, decide the winning number of discs, and automatically play again.



EDUCATION

UNIVERSITY OF WATERLOO

Candidate for Bachelor of Honours Computer Science

September 2020 – April 2025
2 Academic Term Distinctions

Relevant Courses –

Combinatorics, Data Structures and Management, Elementary Algorithm Design.



LANGUAGES

JavaScript

C++

C

Kotlin

Java

SQL

Python

Swift

HTML / CSS



DEVELOPER TOOLS

React

Node JS

MongoDB

PostgreSQL

Express

Flask

Google Cloud Platform

Heroku

Meteor Framework

Robot Framework

Postman

Git



SOFT SKILLS

Team Leadership

Project Management

Communication

Detail – oriented