PRABHAV KHERA

200 University Ave, Waterloo, Ontario N2J4B6

📞 519-729-2371 ✉ p2khera@uwaterloo.ca in linkedin.com/prabhav ○ github.com/probro27 DEV Devpost.com/Prabhav

Education

University of Waterloo   **Sep. 2021 – Present**
Bachelor of Computer Science   *Waterloo, Ontario*
- GPA: 4.0
- Serving as a Computer Science Student Representative for MathSoc in Winter 2022.
- Received Presidential Scholarship with Distinction of $5000 from the University of Waterloo

Experience

Mon Amour   **June 2021 – August 2021**
Front End Developer Intern   *Delhi, India*
- Designed the front-end of the e-commerce Startup website using ReactJS using libraries like React-router, React-Slick, and Material UI.
- Incorporated a service using axios to allow users of the website to become suppliers and to access products via filter for better search results.
- Analyzed and reported which APIs the company could potentially use to manage the taxes depending on the region of the user.

Projects

🔗**Vision- A search Engine** | *Python, BeautifulSoup, MERN Stack, NextJS, TailwindCSS*   **January 2022**
- Programmed a **web crawler** which goes through the web following the ethical obligations of the robots.txt file.
- Developed a **custom indexing algorithm** which analyzes word count and assigns them priority, in order to in order to implement the search faster.
- Designed a professional **front-end React** app using **NextJS** and **TailwindCSS** for efficient and smooth design. It is connected to an **Express server** which can be used to obtain the search results.
- Optimized search time to run within 10 ms, further **reducing it by 85%**.

🔗**PriceMatch** | *ReactJS, Python, Google Cloud Vision, Firebase*   **September 2021**
- Leveraged the idea of a project made for college students to locate places where they can find their desired product at the cheapest price. The project was submitted to **Hack the North 2021.**
- Designed a beautiful and dynamic **React app** for the users and added additional UX features including EmailJS to make for a more satisfying user experience.
- Implemented **Firebase** to manage user data, called **Fetch (GET/POST) API** to process image data and return the final output price.
- Worked with **Google Cloud vision** for recognizing images with **90% accuracy**.

🔗**EdEasy** | *Python, Flask, ReactJS, SQLAlchemy, SQLite*   **June 2021**
- Developed a web-app that provides free open source educational resources, targeted specifically at each grade group.
- Visualized the **Front-end using ReactJS** to deliver a comfortable and easy to use UI/UX and built Flask REST API which reduced **processing times by 25%**.
- Utilized SQLAlchemy and SQLite for managing the database resources, to hold over **50 books/materials.**
- Won **2nd prize** at DefHacks Worldwide 3.0 Hackathon out of 609 participants.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, C++, Racket, Haskell
Developer Tools: VS Code, Eclipse, Postman, GIT, PyCharm, BlueJ
Technologies/Frameworks: ReactJS, NodeJS, ExpressJS, GitHub, WordPress, Figma, AdobeXD

Honours & Awards

- Clinched the **top grade in India's Class 12th ISC Board Examinations** with a score of 99.75%.
- Won the **2nd place** among 609 participants at **Def Hacks 3.0** a global Hackathon in June 2021.
- Was Awarded the **AP Scholar with Distinction** Award for qualifying the AP Exams with a 5s in 4 of the exams.
- Achieved the **Certificate of Distinction in the Euclid Exam** organized by University of Waterloo for being in the top 85% of the candidates.