Nivid Patel

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Skills

Programming: Python, SQL, C/C++, HTML/CSS, JavaScript, Node, Racket
Technologies: Linux, Bash, Git, GitHub, GCP, Microsoft Azure, Firebase
Tools & Frameworks: Pandas, NumPy, Matplotlib, Seaborn, TensorFlow, React, Vue, Flask

Professional Experience

Microsoft Azure & AI Research Intern, *WEA - Microsoft*   May 2023 – Aug 2023 │ Canada
- Collaborated with a team to prototype an **AI Research Assistant**, which uses a chatbot to aid in research.
- Facilitated **10+ brainstorming meetings**, actively contributing to team discussions for project ideation.
- Co-facilitated a 15-minute presentation to 30+ clients demonstrated through a **received academic award.**
- Received Microsoft Azure AI (**AZ-900 & AI-900) certifications**.-

Lead Developer, *McHacks*   Jan 2023 │ Canada
- Created Redwish, a **full-stack app** to democratize blood donation and transfusion accessibility.
- Built front-end with HTML, CSS, Bootstrap, and jQuery, and back-end with **Firebase** for a user experience.
- Utilized **DialogFlow API** to craft a conversational chatbot, boosting efficiency by 18% and enhancing user engagement.

Projects

Eater's Eye, *Vue.js, Tailwind CSS, Flask, GC Vision API, CalorieNinja API, Vercel* ⧉
- Developed a **full-stack AI web app** using **Vue.js, Tailwind CSS, and Flask** for food nutrition analysis.
- Integrated the **CalorieNinja API and Google Cloud Vision API** for accurate food detection and nutrition
- Deployed Eater's Eye on **Vercel** for broader accessibility and impact in promoting healthier eating choices.

Data Analysis - Youtube Web Scraper, *Python, SQL, Pandas, Seaborn, Matplotlib* ⧉
- Engineered a **YouTube data extraction system**, obtaining channel metrics, comparing their performance.
- Established an isolated **virtual environment** with Anaconda, installing critical packages and dependencies.
- Analyzed and visualized YouTube data using **Pandas and Seaborn,** yielding insights into subscriber counts, video engagement, and channel performance.

Youtube REST API, *Flask* ⧉

- Created a scalable **RESTful API** using Python, Flask, and Flask SQLAlchemy for efficient data management.
- Implemented **CRUD operations**, enhancing data efficiency and API performance by 14%.
- Enhanced user experience with user-friendly **HTTP response codes** for smooth API interactions.

UW Chat, *React, Tailwind CSS , Firebase* ⧉
- Developed Chat-App, a **full-stack chat application** enabling real-time, communication between users.
- Enhanced chat app's frontend using **React and Tailwind CSS**, boosting chat refresh speed by 27%.
- Implemented secure **Firebase Google Authentication** with modular imports for seamless integration.

Education

Bacherlor of Computer Science, *University of Waterloo*   2022 – 2027 │ Waterloo, Canada
Relevant Coursework: Functional Programming, Algorithm Design & Data Abstraction, Software Development Tools and Techniques, Object-Oriented Software Development.