Nivid Patel

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Skills

Programming: Python, Swift, Dart, SQL, C/C++, HTML/CSS, JavaScript, Node
Technologies: Linux, Bash, Git, GitHub, GCP, Microsoft Azure, Flutter

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

Flutter-Amazon-Clone, *Flutter, Dart, Node* ⬀
- Developed a full-stack Amazon clone using **Flutter** for the client side and **Node.js** (**Express**) for the server.
- Implemented secure **email/password authentication**, advanced product search, efficient cart management, and Google/Apple Pay checkout.
- Created an **admin panel** with functionalities like adding/deleting products, managing orders, and visualizing earnings based on categories through **MongoDB, Cloudinary, and Flutter's Provider.**

Clima-iOS App, *Swift, XCode* ⬀
- Clima is an **iOS app**, with dark-mode, allowing users to check current weather for a location
- Fetched live weather data of the location given by the user using **API and HTTP requests.**
- Parsed JSON using native Encodable and Decodable protocols, and worked with **Grand Central Dispatch and Core Location.**

Data Analysis - Youtube Web Scraper, *Python, SQL*
- 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, *Python*

- 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.

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.