

# Himank Dave

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## TECHNICAL SKILLS

**Languages:** Python, C++, C, SQL, R, HTML, CSS, JavaScript

**Frameworks:** Django, Django REST Framework, Flask, NumPy, Pandas, Matplotlib, jQuery, Bootstrap

**Developer Tools:** Git, Linux, Bash, Powershell, Postman, Google Cloud Platform, Firebase, AWS, Jira

## EDUCATION

### University of Waterloo

Waterloo, CA

*Bachelor of Mathematics, Honours Co-op*

*Sept 2022 – Apr 2027*

- **Relevant Coursework:** Designing Functional Programs, Elementary Algorithm Design and Data Abstraction, Tools and Techniques for Software Development, Object-Oriented Software Development
- **Awards:** President's Scholarship (\$2,000)

## EXPERIENCE

### Cactus Creatives Pvt. Ltd.

Ahmedabad, IN

*Python Developer Intern*

*May 2023 – Aug 2023*

- Developed and maintained web applications including custom CMS using Django and REST Framework.
- Utilized Django ORM to streamline database interactions, while improving data management.
- Implemented user authentication and authorization across web applications using built-in Django authentication system.
- Created static sites for headless APIs in production using Flask and Bootstrap.
- Performed advanced analysis on large datasets from clients, extracting helpful insights from the same.

### Hack The North

Waterloo, CA

*Volunteer & Workshop Supervisor*

*Sept 2022*

- Provided technical support to ensure smooth functioning of operations at Canada's largest hackathon.
- Coordinated 2 workshops, ensuring smooth operation of workshop activities at Canada's largest hackathon.
- Facilitated prompt communication between workshop leaders and stakeholders, allowing for effective issue resolution and 100% success in meeting timetable targets.
- Oversaw daily operations of workshops, including setting up and organizing the space.

## PROJECTS

### Who Wants to be a Millionaire Clone | Django, Django REST Framework

- Engineered a dynamic "Who Wants to be a Millionaire" clone, integrating *lifelines*, *progressive difficulty levels* and *countdowns*.
- Designed a comprehensive **admin dashboard** with real-time analytics and logging, facilitating *CRUD operations* for questions and categories.
- Developed a secure **RESTful API** with *token-based authentication*, supporting random question retrieval and secure question addition.
- Enhanced user engagement with personalized dashboards, public leaderboards and detailed score tracking.

### TrendWatch | Python, AlphaVantage API

- Engineered an app enabling BSE ticker and cryptocurrency searches, generating interactive trend graphs.
- Integrated **AlphaVantage REST API** to retrieve historical stock and cryptocurrency data dynamically.
- Utilized **pandas** and **matplotlib** for interactive graph creation, enhancing data visualization.
- Implemented a *cross-compatible* GUI with **tkinter**, ensuring seamless usage on Windows and Linux.

### HitFinder | Python, Spotify API

- Created an application allowing users to search for artists and receive a selection of their top songs.
- Utilized **Spotify REST API** and cleaned request content for enhanced content readability.
- Incorporated **tkinter** module to present data in concise and readable format, enabling interaction through graphical user interface.

### RedWish | HTML, CSS, JavaScript

- Designed and developed a website connecting donors, recipients, and blood banks, thus streamlining blood donation and transfusion.
- Utilized **HTML**, **CSS**, and **JavaScript**, along with Bootstrap and jQuery.
- Leveraged Google **Firebase** for backend database management and real-time updates, while implementing Google **DialogFlow** for a conversational AI chatbot.