

# RAMAN KHATRI CHHETRI

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## EXPERIENCE

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### Software Engineer Intern, PhitNest

Jan 2023 — Present

Mobile application startup that builds a community for gym enthusiasts.

- **Expedited MVP** to beta launch in a month by collaborating with a team of 7 on app development using **Flutter**.
- **Boosted user engagement** by designing user profiles, location-based matching, and messaging features.
- Streamlined team collaboration through detailed **documentation** in Notion and provided **onboarding support**.
- Developed a **responsive website** with **Svelte** and **TypeScript** showcasing the company's mission to potential users.

Technologies: Dart, Flutter, Git, TypeScript, Node.js

### STEM Tutor, Northern Virginia Community College

Jan 2023 — Present

One-on-one tutoring in STEM subjects, including front-end web development tools.

- Provided personalized tutoring in **math** and **Java/Python** programming, helping students achieve academic goals.
- Taught **front-end web development** (HTML, CSS, JavaScript), enabling students to create websites and projects.
- Adapted teaching methods for individual learning styles, fostering a positive environment for student success.
- Used real-world examples and hands-on activities to show the practical applications of **STEM concepts** and skills.

Technologies: Python, Java, HTML, CSS, JavaScript

### HP Tech Ventures Extern, HP

Oct 2022 — Dec 2022

- Analyzed market data with **SQL**, identifying promising startups for VC executives.
- Created market maps and managed data using **Open Refine** and **Tableau**, streamlining decision-making.
- Processed data with **Excel** and **SQL** for summary values and trends, presenting findings through data visualization to an audience of HP executives.

## EDUCATION

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### Northern Virginia Community College, A.S. Engineering

2022 — 2024

4.0 GPA

## PROJECTS

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### NoFearSpeak

- Developed NoFearSpeak, an anonymous harassment reporting app, for a **24-hour** hackathon (HackViolet).
- Implemented a **cross-platform front-end** with Dart and Flutter, connecting back-end to **Firestore** database.
- Designed and launched a project website using **HTML**, **CSS**, and **JavaScript** showcasing the app's features.

Technologies: Dart, Flutter, Git, HTML, CSS, JavaScript, Firestore, Figma

### NovaHacks

- Founded NovaHacks, a club offering tech-related **career advising** to underrepresented college students.
- Grew community to **100+** members in the first month, becoming one of the largest clubs in my college.
- Organized weekly **career-focused seminars** on networking, resume creation, and **LinkedIn optimization**.

### Wordle Solver

- Created **Python-based Wordle solver** using **caching**, **multiprocessing**, and **entropy** calculations for optimal guessing.
- Achieved **95.46%** winning chance within 6 attempts, averaging **4.3** attempts per game after **10,000** unique tests.
- Optimized performance through testing, resulting in **725.76-second runtime** for the entire test suite.

Technologies: Python, Collections, Multiprocessing, Caching, Entropy, Google Colab

## SKILLS

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- Code: Dart, Flutter, Java, JavaScript, TypeScript, HTML, CSS, Python, C, C++, Svelte, React, Tensorflow
- Tools: AWS, Git, SQL, Google Colab, OpenRefine, Tableau, Flutter
- Spoken Languages: English (Fluent), Hindi (Fluent), Nepali (Fluent), Urdu (Fluent)

## ACHIEVEMENTS

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### Northern Virginia Community College Dean's List

2023

### Service, Engagement, Academics, and Leadership (S.E.A.L.) Award

2023