AKSHATH CHAUDHARY

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» EDUCATION

University of Waterloo
1B, Candidate for Bachelor of Computer Science, 2024
- GPA: 3.98/4.00
- Faculty Average: 91.67%

» SKILLS

LANGUAGES: Python, C, HTML, CSS, JavaScript, Dr. Racket
TECHNOLOGIES: Bootstrap, jQuery, Node.js, Express.js, Git, EJS, SQLite, MongoDB, Mongoose, REST, Selenium WebDriver

» SOFT SKILLS

Adaptability and Leadership

- Worked with mentees from various age groups at Michigan Valley with success in every project
- Led the team that conducts interviews of incoming residents at ESF, an NGO, and received a certificate of appreciation

» AWARDS & HONORS

Dean's Honours List - University of Waterloo
- On the Term's Dean's **Honours List** for excellent performance in 1A

Math Faculty Scholarship - University of Waterloo
- **$8000 CAD** scholarship for excellent performance in the Euclid exam conducted by UWaterloo
- Secured rank 1 in my zone, New Delhi, India

» PROJECTS

Founder - Pre-Startup Stage   Current
- Building a note-taking device that utilizes a learning mechanism based on **Active Recall** and Spaced Repetition
- Integrates the learning mechanism to improve rate of retention by adapting a retrospective time-table approach
- Approved for **funding** from **Concept**, a Pre-Incubator for UWaterloo students

Cryptocurrency Portfolio | Python
- Built an application in Python for managing cryptocurrencies.
- Used CoinMarketCap API to request for data
- Used **Tkinter** to develop a GUI and **SQLite** for managing the portfolio's database

Todo List | Web App
- Developed a web application for maintaining To-Do Lists remotely
- Built **front-end** for the application using HTML5, CSS3, JavaScript, Bootstrap and deployed it on Heroku
- Developed back-end using **MongoDB** and hosted the database on Mongo Atlas for remote access

Accessibility | Web App
- Built an assistive web application for the deaf and mute
- Converts the recipient's message to sign language using the **Web Speech API** to ease interpretation for the deaf
- Converts inputted text to speech using the Web Speech API to simplify communication for the mute

Blackjack | Python
- Developed a player vs computer version of Blackjack using Python
- Implemented the game using **Object Oriented Programming** principles by defining classes for chips, hands, etc.

» RELEVANT EXPERIENCE

Aviconn · Intern   June 2018
- Received training in **automated software testing** with Python, BDD, Selenium WebDriver, and Postman, focusing on **web applications** and **REST APIs**
- Collaborated with multiple mock teams to develop, design and enhance automation test suites

Michigan Valley · Mentor   2017 to 2018
- Mentored science students for various contests, olympiads, quizzes, and talent search exams at Michigan Valley (a STEM teaching innovation hub)
- Undertook projects like **IMO, NSO,** and **NCO** training