

# Aman Kumar Aggarwal

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## SUMMARY

I am a UC San Diego Freshman majoring in Computer Science. I am looking for internships for Summer 2020 in the field of computer programming to acquire and implement advanced knowledge in programming, to escalate intellectual networking. I am looking forward to gain experience to work both in teams and individually to focus my skills.

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## EDUCATION

### UNIVERSITY OF CALIFORNIA – SAN DIEGO

Expected June 2023

#### B.S. Computer Science, CSE

- **Current GPA: 3.85**
- Coursework:
  - Completed Coursework
    - Fall 2019: Programming in Python, Linear Algebra
    - Winter 2020: Introduction to Discrete Mathematics, Calculus & 3D Geometry
  - Work in progress
    - Spring 2020: Programming in C language, Programming in Java and OOP, Math Algorithm and System Analysis, Introduction to HTML, CSS, JavaScript, Bootstrap and Photoshop

## ONLINE COURSES

- Modern JavaScript from the beginning – Udemy (Work in Progress)

### SANSKRITI THE GURUKUL (Higher Secondary Grade 11)

May 2019

#### ISC Board, India

- Final Percentage: 97.75%
  - **Relevant Subjects:** Computer Science (Java), English, Mathematics, Physics, Chemistry
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## PROJECTS

- **Ultimate Tic Tac Toe**
  - Designed a Multiplayer version of the game ultimate tic tac toe in Python
  - Used Tkinter for GUI and event handling
  - Programmed the game as part of an independent project to become proficient in Python
- **Developed a software to look up for usernames from GitHub API and display them on a website.**
  - Used JavaScript to fetch data from the website
  - Used the concepts of async and await
- **Programmed a number guesser game**
  - Used HTML, CSS, and Bootstrap to create the UI
  - Used JavaScript for user input and processing of data
- **Programmed a Task list website**
  - Used HTML, and Bootstrap for the UI
  - Used JavaScript to add and delete tasks in the website, and store data on the local storage
- **Programmed a Book list website**
  - Used HTML, CSS, and bootstrap for the UI
  - Used JavaScript to add or delete books and their details
- **Programmed a UI to display Chuck Norris jokes**
  - Used JavaScript to fetch required number of jokes from the Chuck Norris API and displayed them on a website
- **Developed a String Search and transform algorithm in Java**
  - Used concepts like interfaces, abstract class, and other features of OOP
  - Programmed the algorithm in the process of becoming proficient with the features of Object Oriented Programming.
- **Developed the game Connect-4 in C language**
  - Used concepts like pointers, and multidimensional arrays
  - Programmed this as a part of developing the skill of C programming.
- **Programmed a quiz game using the features of “Who wants to be a millionaire?”**
  - Designed this quiz game with features like 50-50, score doubling, etc. in Java

- Learned and applied the concept of ASCII art to format textual headers and make the game more visually appealing.

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## **SKILLS & ACTIVITIES**

- Intermediate knowledge of Python with GUI
- Intermediate knowledge of Java and OOP
- Intermediate knowledge of C language
- Basic knowledge of JavaScript
  - Fetching data from APIs
  - DOM Manipulation
- Basic knowledge of HTML, CSS, and Bootstrap 4
- Playing Piano
- Playing Basketball, Table tennis, lawn tennis and cricket.
- Native speaker in Hindi and Conversational speaker in Assamese

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## **INTERNSHIP**

- Intern at H.K. Agarwala & Associates (CA firm) and gathered basic knowledge about accountancy.  
(August 2018 to October 2018)

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## **VOLUNTEERING**

- Interacted with villagers of 5 villages in Assam over 3 months, encouraged them to use electricity, explained the process of availing government schemes for rural electrification, and requested them to allow workers to establish connections for seamless flow of electricity.

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## **AWARDS AND HONORS**

- Academic Colors in Grade 11 (Awarded to top 5% of the class)
  - Won high school inter-house basketball competition in 2018 and 2019
  - Cleared Piano Grade 1 of The Associated Board of the Royal Schools of Music
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