

# Summar Khan

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## EDUCATION

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### Virginia Tech - Blacksburg, VA

August 2024 - May 2027

*Bachelor of Science in Computer Science, College of Engineering*

- GPA: 3.3
- Honors: Dean's List (Fall 2025)
- Relevant Coursework: Software Design & Data Structures, Intro Computer Organization, Data Structures and Algorithms, Discrete Math, Applied Combinatorics & Graph Theory
- Clubs and Activities: VT Dhamaal (captain)

## WORK EXPERIENCE

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### Virginia Tech Recreational Sports

January 2026 - Present

*Esports Facility Attendant (Part-time)*

- Manage daily operations and user access for the facility, including PCs and major gaming consoles.
- Troubleshoot hardware and software issues to minimize downtime and maintain reliable system performance.
- Assist with system setup and account issues in a shared computing environment.

### Dolcezza Gelato

March 2024 - Present

*Barista/Gelato Scooper (Seasonal)*

- Provides excellent customer service through friendly interactions with guests.
- Memorized 30+ flavors of gelato and mastered the techniques of scooping.
- Prepares and serves a variety of espresso drinks, teas, matcha, and juices.

### GEEKABC

June 2023 - August 2023

*Web Developer (Internship)*

- Maintained and updated production WordPress websites, supporting client content and site reliability.
- Handled 5+ phone calls and 30+ emails daily, engaging effectively with customers to resolve issues and gather requirements.
- Implemented content updates and minor fixes while following established workflows.

### Kumon

January 2023 - February 2024

*Center Assistant (Part-Time)*

- Tutored 5-6 primary/secondary students and graded 20-40 packets per session.
- Engaged with children to enhance their reading and math skills.
- Supported a structured learning environment through clear communication and organization.

## PROJECTS

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### *C Pointer Utilities*

- Implemented C functions using pointers and function pointers to manipulate structured data and modular APIs.
- Applied pointer arithmetic and pass-by-reference to optimize memory usage and performance.
- Designed and executed test cases to validate functionality and handle edge cases.

### *Infinite Runner (Java)*

- Created a side-scrolling infinite runner with continuous terrain generation and obstacle spawning.
- Implemented increasing difficulty through speed scaling and randomized obstacles.
- Applied object-oriented programming to manage game entities and logic.

### *Fish Eat Fish (Python)*

- Developed a survival game where the player grows by consuming smaller fish and avoiding larger predators.
- Implemented collision detection, scaling mechanics, and real-time player movement.
- Designed game logic to adjust difficulty and progression dynamically.

### *Personal Website*

- Designed and developed an interactive website using HTML, CSS, and JavaScript, emphasizing clean layout and usability.
- Applied responsive design principles and basic UI concepts to improve user experience.
- Deployed the site using GitHub Pages and maintained version control with Git.

## SKILLS

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- Coding Languages: C, Python, Java, Bash, Assembly, MATLAB, JavaScript, HTML, CSS
- Tools: Git, Linux, Visual Studio, SolidWorks
- Languages: English, Bangla