

# Sheraj KC

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## EDUCATION

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### George Mason University

Fairfax, VA

*Bachelor of Science in Computer Science — GPA: 3.85*

*Aug 2022 – May 2026*

**Honors/Awards:** Tech Talent Award Scholarship, Dean's List: Fall 2022, Spring 2023, & Fall 2023

**Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Low-Level Programming, Full Stack Web Development

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, JavaScript, HTML, CSS

**Technologies:** Unix, Linux, JUnit Testing, Git, VScode, MS Office, Excel, PowerPoint

**Frameworks:** React

## PROJECTS

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### Break The Scroll Website | *JavaScript, HTML, CSS*

[View Project](#)

- Created an HTML, CSS, and JavaScript-powered website to combat social media addiction.
- Researched and crafted addiction combative strategies including a downloadable progress tracker.
- Designed an intuitive user interface by including a navigation bar and website animations.

### Tic-Tac-Toe With History | *React, JavaScript, HTML, CSS*

[View Project](#)

- Created a multiplayer Tic-Tac-Toe website in React with a history-tracking feature.
- Applied essential React techniques including immutability and "Lifting State Up" for efficient code.

### Ad Hoc Network Emulation | *Java*

[View Project](#)

- Accomplished an Ad Hoc Wireless Network Emulation in Java, utilizing a custom graph data structure to simulate network behavior.
- Employed rigorous testing with JUnit to validate custom graph data structure implementation.
- Implemented Dijkstra's and Prim's Algorithms to calculate shortest paths and minimum spanning trees, respectively.

### Unbeatable Tic-Tac-Toe | *Java*

[View Project](#)

- Leveraged Mini-Max algorithm through recursion to create an unbeatable AI opponent.
- Utilized effective OOP design principles to improve code readability.

### Art E-commerce Store | *kcfineart.net*

[View Project](#)

- Successfully developed and launched an e-commerce store with Shopify to market and sell my dad's artwork.
- Generated over \$4000 in sales through strategic marketing on platforms such as Facebook, YouTube, Instagram, and Pinterest.
- Manage back-end operations including customer service, shipping, ads, and sales tax.

## WORK EXPERIENCE

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### STEM Instructor

May 2023 – July 2023

*Black Rocket Productions*

*Falls Church, VA*

- Educated 10 to 15-year-old students in STEM topics by instructing concepts on coding with Python and game design through hands-on projects that were both practical and easy to grasp.
- Accomplished effective class organization with class sizes of up to 25 students by co-leading with another instructor through collaborative leadership and planning.
- Completed a 3-week training in 7 relevant courses and technologies, enabling effective instruction for students in engaging STEM subjects.

## CERTIFICATIONS

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**CodePath:** Intermediate Technical Interview Prep (June 2023 - August 2023)

**CodePath:** Intro To Web Development (September 2023 - December 2023)