

Sheraj KC

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EDUCATION

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

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

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

Frameworks: React

Libraries: Django

PROJECTS

Instagram Clone | *Django, SQLite, AWS, Git*

[View Project](#)

- Developing Chatter, an Instagram clone using Django, enabling users to like, comment, and upload posts.
- Implemented an infinite feed feature, dynamically generating random posts alongside user-generated content.

MotionMatrix | *Django, SQLite, AWS, Git*

[View Project](#)

- A comprehensive fitness tracking web application featuring an interactive calendar, personalized workout routines, record tracking, and an extensive library of filterable workouts.
- Implementing an SQLite-based user authentication for secure storage and management of personal data.
- Leading a team of five in an Agile development environment to ensure timely delivery of the product.

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

[View Project](#)

- Created an HTML, CSS, and JavaScript-powered website to combat social media addiction.
- Designed an intuitive user interface by including a navigation bar and website animations.

Custom Chrome Tab Extension | *JavaScript, HTML, CSS*

[View Project](#)

- Created a Chrome tab extension integrating a Pomodoro timer and live clock functionality.
- Leveraged APIs to dynamically generate aesthetic landscape backgrounds and motivational quotes.

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.

WORK EXPERIENCE

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

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

CodePath: Intro To Web Development— HTML, CSS, JS (September 2023 - December 2023)

CodePath: Intermediate Web Development— React (February 2024 - May 2024)