Sheraj KC

U.S Citizen | Fairfax, VA | 703-732-3176 | sherajkc@gmail.com | LinkedIn | Personal Portfolio

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: AWS, Docker, Git, Linux, JUnit Testing, VScode, MS Office
Frameworks: Django
Libraries: React

PROJECTS

MotionMatrix | *Django, Docker, AWS, SQLite, 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.

Instagram Clone | *Django, Docker, AWS, SQLite, 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.

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 Ddijkstra'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)