Aniket Chaudhry

(562) 521-2608 | chaudhry.an@northeastern.edu | aniketc.tech

EDUCATION

Northeastern University **Boston, Massachusetts**
B.S. in Computer Science Graduating in May 2027
GPA: **4.0**
Relevant Coursework: Foundations of Artificial Intelligence, Accessibility & Disability, Object Oriented Design, Algorithms, Discrete Structures, Database Design, Foundations of Cybersecurity
Awards: Google Play Change The Game Winner, Games For Change Student Challenge, President's Volunteer Service Award

WORK EXPERIENCE

Air Force Research Laboratory - Space Vehicles Directorate | Albuquerque, NM
Terahertz Satellite Communications Mission Concept Design Intern | May 2024 – Present
- Designed satellite mission concepts with UNLab, NASA, AFRL, and AFOSR experts for small satellite systems engineering and operations under the University Nanosatellite Program.
- Assembled technical report outlining mission requirements for integrating sub-Terahertz communication payload for Northeastern University's planned satellite (2027).

Code Ninjas | San Ramon, CA
Lead Software Development Tutor | May 2022 – Dec 2022
- Instructed over 100 students aged 7-14 in video game and computer program development, focusing on JavaScript, Scratch, and Unity.
- Led 3 summer camps specializing in Web Development, guiding groups of 7-8 students through hands-on HTML/CSS/JavaScript activities.

LEADERSHIP & ACTIVITIES

AerospaceNU @ Northeastern University | Boston, MA
Software Engineer & Webmaster; Project Horizon Satellite Team | August 2023 – Present
- Lead developer for team website using Next.js, React.js, & Tailwind CSS, achieving a 40% increase in monthly active users and a 25% improvement in user engagement metrics.
- Headed development of proprietary management portal using Node.js, React.js, MongoDB, and AWS Lambda/S3, reducing administrative overhead by 50% & enhancing task visibility.
- Collaborated on systems software and satellite bus development using C/C++ for DEV-SAT, optimizing codebase to reduce satellite data processing time by 30%, ensuring robust performance under mission-critical conditions.

PROJECTS

Portfolio Website
- Engineered interactive website made with HTML, CSS, and Javascript & featuring Three.js model and particle.js animations, attracting 500+ unique visitors.
- Optimized site performance, achieving 30% faster load times through efficient JavaScript and image compression techniques.

TECHNICAL SKILLS

Languages/Frameworks**:** C/C++, C#, HTML/CSS/JavaScript, React, Java, SQL, MATLAB, Node.js
Tools/Methods**:** Git/Github, Microsoft Office, Photoshop, AGILE/Scrum, Linux, FIgma