Aniket Chaudhry

EDUCATION

Northeastern University, *Khoury College of Computer Science*   **Boston, MA**
B.S. in Computer Science, Concentration in Artificial Intelligence   Graduating in May 2027
Cumulative GPA*:* 4.0/4.0
Honors*:* Khoury College Dean's List, AT&T Technology Academy, Google Play Change The Game Winner, Games For Change Accessible Design Winner
Relevant Coursework*:* Foundations of Artificial Intelligence, Object Oriented Design, Algorithms, Mathematics of Data Models, Discrete Structures, Database Design, Foundations of Cybersecurity, Trustworthy Generative AI

WORK EXPERIENCE

Sprouts.ai   **July 2024 – Present**
Full-Stack Software Engineer Intern   San Francisco, CA
- ➢ Utilized Next.js API routes to develop and deploy a custom backend endpoint for user authentication.
- ➢ Enhancing SEO performance by developing a headless CMS for the company website.
- ➢ Implementing a PostgreSQL database solution and integrating it with Microsoft Azure to handle an additional 5,000 queries per day.

Space Dynamics Laboratory   **May 2024 – July 2024**
Terahertz-Communications Satellite Mission Concept Intern   Albuquerque, NM
- ➢ Assembled comprehensive mission design document (MDD) and requirements verification matrix (RVM) to advance Northeastern University's planned sub-Terahertz satellite communication experiment.
- ➢ Learned flight software (FSW) development through NASA JPL technical workshops.
- ➢ Operated AFRL's XVI satellite under a subject-matter expert (SME) to help facilitate mission objectives.

Northeastern University Satellite Team   **August 2023 – Present**
Software Engineer & Head of External Affairs   Boston, MA
- ➢ Developed project website displaying the team's accomplishments and projects using Next.js, React.js, & Tailwind CSS; achieved a 40% increase in monthly visitors.
- ➢ Heading development of proprietary management portal using Node.js, React.js, MongoDB, and AWS Lambda/S3, to enhance team capabilities and prioritization of tasks.
- ➢ Collaborating on satellite bus development using C/C++ for DEV-SAT satellite, optimizing codebase to reduce satellite data processing time by 30%.

Code Ninjas   **May 2022 – December 2022**
Lead Software Development Tutor   San Ramon, CA
- ➢ Instructed 100+ students aged 7-14 in game development w/ Java, Lua, & Unity.
- ➢ Led 3 summer camps guiding groups of 7-8 students through hands-on HTML/CSS/JavaScript activities.

PROJECTS

Northeastern Map App
- ➢ Developed Node.js API implementing Dijkstra's Algorithm to facilitate campus navigation for students.
- ➢ Achieved ~30% faster campus travel times vs. online map software due to unique tunnel routing options.

OccupEye
- ➢ Developed a university space management app using Python, MySQL, Appsmith, Database Design, and Docker, enabling students to book study spaces & teachers to manage classes.
- ➢ Designed and implemented a relational database, handling over 200 campus locations.

Portfolio Website
- ➢ Engineered interactive website w/ HTML, CSS, Javascript, Three.js, & Particle.js, attracting 500+ unique visitors.
- ➢ Optimized site performance, achieving 30% faster load times through efficient JavaScript techniques.

TECHNICAL SKILLS

Languages/Frameworks: C/C++, Python, Java, SQL, Next.js, HTML/CSS/JavaScript, React, Node.js
Tools/Methods: Git/Github, Microsoft Office, Photoshop, AGILE/Scrum, Linux CLI, Figma, Postman