

RIYA KANANI

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EDUCATION

University of Maryland, College of Computer, Mathematical, and Natural Sciences
Bachelor of Science, Computer Science and Immersive Media Design

May 2025
GPA: 3.8

Relevant Coursework

- Algorithms, Discrete Structures, Introduction to Computer Systems, Creative Coding for Digital Media, Introduction to Computational Media, Calculus II, Linear Algebra

WORK EXPERIENCE

University of Maryland

College Park, MD

Teaching Assistant: Introduction to Immersive Media

Current

- Empowered students with the knowledge and resources needed to transform creative ideas into tangible and successful projects
- Demonstrated a commitment to maintaining high standards of professionalism in grading and assessment of works, ensuring students receive constructive feedback for academic and professional growth

Rock Creek Group

Washington, DC

Summer Analyst

Summer 2023

- Developed software solutions to remodel data, facilitate data visualization, and streamline and automate complex calculations
- Conducted testing and resolved issues within scripts authored by other team members
- Engaged in client interactions and communications

Cloud Computing Research Lab

College Park, MD

Peer Research Mentor

Aug 2021 – May 2023

- Collaborated with colleagues to develop an image classification model by leveraging a pre-trained convolutional neural network, AlexNet, in conjunction with a decision tree classifier that integrated geospatial data (longitude and latitude). This collaborative effort resulted in a successful achievement of an 81.29% accuracy rate
- Utilized the NASA Globe Clouds database to curate a data set comprising cloud images with essential metadata attributes including longitude, latitude, and timestamp

The Young School

Columbia, MD

Assistant Teacher

Feb 2021 – Jan 2022

- Cooperated with coworkers to develop lessons, encouraging scholastic development of children aged 8 weeks-5 years
- Interacted with parents daily and gave them a verbal report of their child's behavior

PROJECTS

Anodyne

College Park, MD

VR Installation

Aug 2021 – May 2023

- Acquired proficiency in designing immersive exhibitions that facilitated collaborative VR experiences
- Acquired valuable experience in adaptability, problem-solving, and effective communication through collaborative project management
- Furthered understanding of the potential and limitations of VR as a storytelling and experiential medium

ACTIVITIES

Girls Who Code, *Web Developer and Teaching Assistant*

Aug 2023 - Current

- Contributes to website development, including Figma, HTML, and CSS
- Provided instructions in python fundamentals to middle and high school aged girls

LANGUAGES

English: Fluent

Gujrati: Fluent

Hindi: Basic Knowledge

Spanish: Basic Knowledge

SKILLS

Software: Unity Engine, Adobe Suite, Microsoft Office Suite, Cinema4D, Maya

Languages: Java, Python, Linux, C, MIPS Assembly, Ocaml, Ruby, Rust, Latex