

Kritika Pant

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EDUCATION

Howard University, Washington DC

Exp: May 2026

Washington D.C.

BSc. In Computer Science

Relevant Coursework

Software Engineering, Theory of Computation, Large Scale Programming, Cloud Computing, Fundamentals of Algorithm, Comp.Organization I, Introduction to Networks, Structure of Programming, Database System, Comp.Organization II

WORK/EXPERIENCE

Howard University

Current

Undergraduate Research Assistant

- Developed a system to render outputs from Vision Language Models in real time to AR device , post process the data received from the AR device and send it back to the AR device.

Stanford University

Summer 2024

Research Intern

Stanford, CA

- Worked extensively with frameworks, including **ROS** for robotics, **OpenCV** for computer vision, and the **HoloLens API** for augmented reality integration, to develop real-time interactive systems..
- Delivered dynamic point cloud visualization in real-time by publishing point clouds through HoloLens when AprilTags(2D barcodes) were detected, representing object positions

PROJECTS

[GyanBigyan](#) | *ReactJS, Python, Firebase*

Dec 2024

- Developed an **web application game** that combines traditional bingo with knowledge quizzes, allowing players to choose country-specific boards with questions tailored to diverse cultures and histories for an interactive learning experience.
- Designed key features, including dynamic question grids, real-time answer validation with instant feedback and progress tracking with Bingo announcements.

[SathiBhai](#) | *HTML, CSS, Firebase, ReactJS*

Apr 2024

- Developed a **web application** that enables university students to browse and join campus organizations with ease, featuring a user-friendly and responsive interface.
- Created dynamic and interactive front-end development using ReactJS, HTML, and CSS,

[MOMO R US](#) | *Swift , SwiftUI*

Nov 2023

- Developed an **iOS App** with a functional **UI** that allows users to log in, explore detailed ingredient lists, manage orders, and add items to their cart for easy ordering.
- Utilized the **SwiftUI** framework to create a modern and intuitive user interface for the app, enhancing user engagement through seamless navigation and visually appealing design.

[Automated Amazon Price Tracker](#) | *Python*

Oct 2023

- Developed an automated system to track Amazon product prices and send real-time notifications.
- Utilized **BeautifulSoup** for data extraction, requests for fetching content, and integrated an email library for automated alerts.

SKILLS / CERTIFICATIONS

Languages: Python, HTML/CSS/JS, Swift, Java

Frameworks: MySQL, Git/GitHub, SwiftUI,ROS

LEADERSHIP

Howard Univeristy Nepalese Student Association | *Vice-President*

Current

- Organized and led cultural events and interfaith programs, collaborating with the Dean of the Chapel to integrate Nepalese traditions on campus.
- Assisted in overseeing association activities, ensuring the smooth execution of events, and fostering a collaborative environment among members.

Howard Alternative Spring Break | *Mentor*

Mar 2023

- Provided personalized guidance to 40 students in mathematics and Python programming, developing customized learning strategies to address individual struggles.
- Managed a classroom environment by organizing lessons and prioritizing tasks to ensure that each student's needs were met efficiently.