

# Aryan Kharva

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## ABOUT ME

Computer science student passionate about web and frontend development, with growing interest in emerging fields like NLP and AI. Experienced as an Instructional Assistant, helping students grasp complex computational concepts. Driven by curiosity, research, and a desire to build impactful, user-centered solutions through technology.

## EDUCATION

**The University of North Carolina at Charlotte | Charlotte, NC**

**Bachelor of Science in Computer Science | GPA: 3.66/4.0 | Awards:** Chancellor's List Spring 2024, Fall 2024

## SKILLS

**Programming Languages:** Python (Advanced), HTML/CSS, (Advanced), Java (Advanced), JavaScript (Advanced), C (Advanced), SQL (Advanced), Assembly (Intermediate), C++ (Intermediate), Ruby (Beginner).

**Other:** MERN stack (MongoDB, Express.js, React.js, Node.js), React, React Native, Penetration Testing (OWASP Top 10, Scripting, Injection Attacks, Burp Suite), Data Visualization (Tableau, PowerBI), GitHub, Agile Practices, Cloud (AWS, Azure), Kubernetes, Hadoop, Design (Figma, Penpot, Balsamiq), Certified Microsoft Office Specialist, Adobe Certified Professional, CAD (Onshape, Autodesk Inventor).

**Languages:** English (Native), Gujarati (Native), Hindi (Advanced).

## PROJECTS

### Spin City Market | Personal Project

April 2025

- Developed a full-stack vinyl marketplace using Node.js, Express.js, and MongoDB to support item creation, editing, and deletion, with search and filter functionality powered by regex queries.
- Implemented image upload and storage using Multer, allowing users to submit vinyl listings with images saved to a public directory and dynamically displayed through EJS templates.
- Structured the app using an MVC architecture, separating concerns across routes, controllers, and models, and added robust error handling through custom middleware in Express.

### Apartment Management Website | Class Project

November 2024

- Developed a tenant-management web application enabling user authentication, tenant applications, unit listings, and maintenance requests.
- Implemented front-end features using HTML, CSS, JavaScript, and Tailwind CSS, and back-end functionality with Node.js, Express.js, and MongoDB Atlas.
- Conducted black-box and unit testing with Jest and SuperTest to ensure robust API endpoints.

### Bollywood Threads Website | Personal Project

August 2024

- Developed a responsive website for a local fashion brand using HTML, CSS, and JavaScript, with appointment booking and product showcases.
- Integrated Slick.js carousels for interactive galleries and mobile-friendly browsing.
- Applied clean UI/UX design and accessibility standards for a user-focused experience.

## EXPERIENCE

### Undergraduate Researcher | UNC Charlotte | Charlotte, NC

January 2025 - Present

- Collaborating on a mobile app research project using NLP and Generative AI, with goals of publication.
- Contributing to early-stage feasibility testing and experimental design.

### Development Intern | Sirius Support | Remote

August 2024 – November 2024

- Collaborated with cross-functional teams to enhance service features and software tools.
- Designed HR systems and built AI-driven solutions for employee management.
- Gained hands-on experience with SaaS platforms and cloud technologies.

### Instructional Assistant | UNC Charlotte | Charlotte, NC

January 2024 – May 2024 | January 2025 - Present

- Led discussions and provided support in Logic & Algorithms and Human-Centered Computing.
- Taught foundational concepts in algorithms, complexity, and interface design.
- Strengthened skills in Figma, prototyping, and user-focused UI/UX practices.

## CERTIFICATIONS

[Responsive Web Design Certification](#) | Date of Achievement: February 20, 2024

[JavaScript Algorithms and Data Structures Certification](#) | Date of Achievement: May 1, 2024