

Aryan Kharva

aryankharva2004@gmail.com • (919) 272-6277 • linkedin.com/in/aryankharva • github.com/Aryan-Kharva • aryankharva.com

EDUCATION

The University of North Carolina at Charlotte

Expected Graduation: August 2025

Bachelor of Science in Computer Science, Minor in Mathematics | GPA: 3.7/4.0

Leadership & Involvement: Charlotte Mentor Collective (Mentor), South Asian Student Association (Member)

PROJECTS

Personal Portfolio Website | Personal Project

May 2025

Technologies used: *React, HTML/CSS, JavaScript, Netlify, EmailJS*

- Designed and developed a fully responsive portfolio showcasing projects, skills, and contact form functionality using EmailJS.
- Implemented a clean, minimal UI with smooth scroll, routing, and interactive elements to highlight frontend capabilities and UX focus.

DribbleData | Class Project

May 2025

Technologies used: *Flask, Python, JavaScript, HTML/CSS, Chart.js, OpenAI API, Jinja*

- Built an interactive web app to compare NBA player stats using dynamic Chart.js visualizations and templated views with Jinja and HTML/CSS.
- Integrated an OpenAI-powered chatbot for natural language player queries, led frontend design, and improved UX with autocomplete and responsive layout adjustments.

Spin City Market | Personal Project

April 2025

Technologies used: *Node.js, Express.js, AWS (MongoDB Atlas), EJS, JavaScript, Multer*

- Built RESTful APIs, search/filter logic, and image upload functionality using Multer; implemented session-based user auth and role-based access control.
- Structured the app using MVC architecture, integrated MongoDB Atlas for data persistence, and applied robust error handling middleware.

Apartment Management Website | Class Project

November 2024

Technologies used: *HTML/CSS, JavaScript, Tailwind CSS, Node.js, Express.js, AWS (MongoDB Atlas)*

- Developed CRUD routes for tenant applications, unit listings, and maintenance requests; implemented user authentication and role checks.
- Tested backend endpoints using Jest and SuperTest to ensure API reliability and data validation.

EXPERIENCE

Undergraduate Researcher | UNC Charlotte | Charlotte, NC

January 2025 - Present

- Developing an mHealth chatbot using RAG with Llama 2 and OpenAI to improve access to HIV care, supporting a research project with publication potential.
- Built a document ingestion and prompt pipeline that reduced latency by ~35% and improved contextual accuracy, with deployment planned for a mobile pilot study in clinical settings.

Development Intern | Sirius Support | Remote

August 2024 – November 2024

- Developed internal HR tools with AI-powered features to automate performance tracking for 200+ employees, reducing manual workflows by ~40%.
- Implemented frontend components and backend routes using JavaScript, Node.js, and RESTful APIs; collaborated in Agile sprints.
- Integrated GitHub Actions CI/CD pipelines, reducing deployment time by 30%, and contributed to AWS-based deployment workflows.

Instructional Assistant | UNC Charlotte | Charlotte, NC

January 2024 – May 2024, January 2025 – May 2025

- Supported 195+ students in Logic & Algorithms and Human-Centered Computing, reinforcing algorithm analysis, finite state machines, and UI evaluation methods.
- Led office hours and exam reviews; clarified logic proofs and complexity analysis while reviewing technical deliverables for quality and correctness.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3, PHP (basic), C#, C++

Frameworks & Libraries: Node.js, Express.js, React, Vue, Angular (basic), Flask, .NET (basic), EJS, GraphQL

Cloud & DevOps: AWS (Cloud Practitioner – In Progress), Docker, GitHub Actions, MongoDB Atlas, Azure (basic)

Tools & Practices: Git, REST APIs, Jest, SuperTest, CI/CD, Agile, Figma, Postman

Certifications: Responsive Web Design (freeCodeCamp), JavaScript Algorithms & Data Structures (freeCodeCamp)