

Ritika Joshi

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EDUCATION

University of Cincinnati | Cincinnati, OH
Bachelor of Science, Computer Science

August 2019 – May 2024
Dean's List, GPA: 3.78/4.0

Relevant Coursework: Cloud Computing; Large Scale Software Engineering; CS Senior Design; Requirements Engineering; Automata; Operating Systems; Computer Networks; AI Principles & Applications; Database Design/Development; Design & Analysis of Algorithms; Discrete Structures; Data Structures

TECHNICAL PROFICIENCIES

Programming Languages: Javascript, Java, Python, C, C++, C#, SQL, HTML, CSS, Typescript

Frameworks/Tools: React.js, Node.js, Next.js, Three.js, Azure AI, MUI, Postgres, Azure, Docker, AWS, UNIX, Figma, Git, Xcode

License and Certifications: Microsoft Azure AI Fundamentals, IBM Internet of Things & Enterprise Design Thinking Practitioner

WORK EXPERIENCE

Bright Mind Enrichment and Schooling | San Francisco, CA

September 2024 – Present

UI/UX Web Developer [RESTful APIs, Figma, WordPress, JavaScript, HTML, CSS]

- Facilitated front-end features with back-end services for seamless data flow via RESTful APIs
- Optimized user experience by enabling seamless data flow across key pages, ensuring strong brand alignment and engagement
- Deployed RESTful APIs and utilized Figma, WordPress, HTML, and CSS to design user-friendly flows
- Improved cross-device accessibility and user experience, directly aligning website performance with brand vision

Toyota Motor Manufacturing Kentucky | Georgetown, KY

May 2023 – August 2023

STEM Co-op - Production Control [SQL, Power Apps, Power BI, Agile, MS Azure]

- Developed custom SQL solutions at Toyota's largest plant, streamlining the Supplier Change Request process
- Directed end-to-end automation for data retrieval, supporting multiple teams across Toyota's largest manufacturing plant
- Harnessed SQL, Power Apps, and Power BI to optimize processes and implement CI/CD pipelines on MS Azure
- Reduced process errors by 15% and improved data retrieval efficiency by 42%, benefiting over five teams

BECO Ventures | Singapore

September 2022 – December 2022

CS Intern - UI Process Engineer [Python, SQL, MongoDB, JavaScript, React, Git, Figma, Agile]

- Led development of scalable cloud solutions for BECO's Greenhouse Monitoring Platform in a dynamic startup environment
- Enhanced accessibility and data visualization for real-time monitoring across environmental control sensors
- Integrated Python, SQL, MongoDB, and React to enable scalable data processes and real-time updates
- Increased real-time data accessibility by 55%, accelerating project delivery by 30%

UC Simulation Center - P&G | Cincinnati, OH

January 2022 – April 2022

CS Co-op - Data Analyst [Power BI, VBA, RESTful APIs, PyTest]

- Automated multi-time zone analytics for P&G and built a VBA Excel interface to expedite warehouse data entry
- Employed Power BI for analytics, automated processes with VBA, and executed testing through RESTful APIs and PyTest
- Supported P&G's warehouse data accuracy, reducing data entry time by 40% and improving data processing efficiency

PROJECTS

Senior Design: EVENTREADY [React, Django, MUI, RESTful APIs, Agile, Git, Figma, CSS, Javascript]

August 2023 – April 2024

- Led front-end development with React, MUI and back-end integration using Django for a web app supporting event planning
- Established CI/CD pipelines for deployment, using Git for version control and UNIX/Linux for file management and scripting
- Boosted feature implementation speed by 32% in an Agile framework, leveraging RESTful APIs for efficient data handling

Retail Data Dashboard: KroDash [Flask, Heroku, Azure PostgreSQL, SQLAlchemy]

January 2024 - March 2024

- Launched a retail data dashboard using Flask, deployed on Heroku with Azure PostgreSQL and connected via SQLAlchemy
- Enhanced data processing, analytics, & inventory management with a user-friendly interface in HTML, CSS, & JavaScript

LEADERSHIP ROLES & ACCOLADES

- **Student Commencement Speaker:** Delivered an impactful address at all three undergraduate commencement ceremonies and represented the graduating class of Spring 2024
- **Student Government - Senator-At-Large:** Elected to represent the University of Cincinnati's undergraduate student body as one of the eight Senators-At-Large to passionately advocate for student interests & initiatives on campus