

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: React.js, Node.js, Next.js, Three.js, Azure AI, MUI, Postgres, Azure, Docker, AWS, Figma, Version Control (Git)

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

WORK EXPERIENCE

Toyota Motor Manufacturing Kentucky | Georgetown, KY

May 2023 – August 2023

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

- Developed and implemented custom SQL solutions at Toyota's largest manufacturing plant, streamlining supplier change request processes and achieving a 42% improvement in data retrieval speed while enhancing overall accuracy
- Led the successful integration of the Supplier Change Request (SCR) application, reducing process errors by 15% and improving usability for 5+ cross-functional teams with a user-centered design approach
- Actively contributed to Agile practices and Kaizen events, driving continuous improvement initiatives that enhanced operational efficiency and team collaboration
- Designed and maintained CI/CD pipelines ensuring automated testing and seamless deployment of updates

BECO Ventures | Singapore

September 2022 – December 2022

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

- Designed and deployed scalable cloud-based data solutions for the Greenhouse Monitoring Platform, enhancing data accessibility by 55%
- Integrated simulated sensors into the monitoring platform, developing a user-friendly dashboard for real-time data visualization
- Increased project delivery speed by 30% in an Agile environment through effective communication and alignment of team objectives, ensuring timely completion of milestones

UC Simulation Center - P&G | Cincinnati, OH

January 2022 – April 2022

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

- Leveraged Power BI for data analysis, resulting in a 40% reduction in data entry time for warehouse operations through the development of an automated VBA-based Excel interface
- Integrated RESTful APIs and utilized Python (PyTest) for automated testing, significantly enhancing data processing efficiency
- Worked with cross-functional teams to improve data-driven tasks ensuring effective communication across departments

PROJECTS

Senior Design: EVENTREADY [React, Django, Material-UI, RESTful APIs, Agile, Git, Python]

August 2023 – April 2024

- Led front-end development with React and back-end integration using Django for a web app supporting event planning
- Increased feature implementation speed by 32% within an Agile framework through sprint planning and team collaboration
- Built CI/CD pipelines for automated testing and deployment, using Git for version control

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

January 2024 - March 2024

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

LEADERSHIP ROLES & ACCOLADES

- 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
- Student Commencement Speaker:** Delivered an impactful address at all three undergraduate commencement ceremonies and representing the graduating class of Spring 2024