

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; Mathematical Logic; Computer Networks; AI Principles and Applications; Database Design/Development; Design and Analysis of Algorithms; Discrete Structures; Data Structures

TECHNICAL PROFICIENCIES

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

Frameworks: Django, React, Azure AI, Node.js, Material UI, Postgres, Power Query, Figma, Git, Azure, Jenkins, Docker, AWS

WORK EXPERIENCE

TOYOTA MOTOR MANUFACTURING KENTUCKY | Georgetown, KY

May 2023 – August 2023

STEM Co-op [Production Control]

- Improved the management process for supplier change requests (SCR) for each car model part number, aiming to enhance efficiency at Toyota's production control department
- Integrated the SCR App into the existing QPC Change Point Management interface using Power Apps, optimizing data management with SQL Servers and prioritizing UX/UI for better usability
- Boosted workflow efficiency by 34% and data retrieval speeds by 42%, enhancing user satisfaction across 5+ teams

INTERNATIONAL EXPERIENCE PROGRAM | BECO VENTURES, Singapore

September 2022 – December 2022

CS Intern [UI Process Engineer]

- Deployed databases, integrated sensors, and created a real-time visualization dashboard using SQL, Azure, and Databricks, improving data accessibility and monitoring efficiency by 55%
- Formulated comprehensive Agile charters, including themes, epics, user stories, tasks, and personas for various software projects, leading to a 30% increase in project delivery speed and team alignment
- Assessed and prioritized features and bugs in the GPS and Weight Tracking Dashboard to improve functionality

UC SIMULATION CENTER | P&G, Cincinnati, OH

January 2022 – April 2022

CS Co-op [Data Analyst]

- Employed PowerBI for data analysis and a VBA-based Excel interface to cut data entry time by 40% in warehouse operations
- Integrated RESTful APIs, utilized Python (PyTest) for automated testing, and optimized data processing efficiency

PROJECTS

Senior Design Capstone: EVENTREADY

August 2023 – April 2024

- Spearheaded front-end development for EventReady using Java, React, and Material-UI, integrating with a Django back-end, and implemented responsive design principles for a seamless user experience across devices
- Operated within an Agile sprint environment to integrate features and deliver updates efficiently, increasing feature implementation speed by 32%, while applying Object-Oriented and SOLID principles for scalable, maintainable code

Retail Data Dashboard: KroDash

January 2024 - March 2024

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

Reddit Clone

January 2024 - February 2024

- Engineered a streamlined Reddit replica with advanced features including subreddit timelines, post submissions, and user profiles
- Architected REST APIs and crafted a sleek, interactive UI using React and JavaScript

LEADERSHIP ROLES & ACCOLADES

Senator-At-Large (Undergraduate Student Government): Elected to represent the University of Cincinnati's undergraduate student body as one of the eight Senators-At-Large, passionately advocating for student interests and initiatives

Undergraduate Student Commencement Speaker: Delivered an impactful address at all three undergraduate graduation ceremonies, representing the graduating class of Spring 2024

CERTIFICATIONS

Microsoft Certified: Azure AI Fundamentals

IBM: Internet of Things Practitioner; Enterprise Design Thinking Practitioner