

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, Typescript, Python, C, C++, C#, SQL, Java, HTML, CSS

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

Computer Science Production Control Co-op

- 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
- Tasked with integrating the SCR App into the existing QPC Change Point Management interface using Power Apps to streamline the process and enhance data management
- Engineered a streamlined process for SCR changes, seamlessly integrating the SCR App into the interface while optimizing data management with SQL Servers and prioritizing UX/UI principles for enhanced usability
- Achieved a 34% increase in workflow efficiency, a 42% improvement in data retrieval speeds, and significantly boosted user satisfaction, benefiting over 5 cross-functional teams at North America's largest automotive plant

INTERNATIONAL EXPERIENCE PROGRAM | BECO VENTURES, Singapore

September 2022 – December 2022

UI Process Engineer Intern

- Deployed both local and cloud databases, integrated simulated sensors, and created a web dashboard for real-time visualization for the Greenhouse Monitoring Platform, 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
- Evaluated existing GPS and Weight Tracking Dashboard architecture from vendors, compiled a list of feature inclusions, improvements, and bugs, and prioritized them by urgency and implementation phases to enhance system functionality

UC SIMULATION CENTER | P&G, Cincinnati, OH

January 2022 – April 2022

Data Analyst Co-op

- Employed PowerBI for in-depth data analysis, implementing multi-time zone and daylight savings adjustments to ensure accurate insights across diverse datasets
- Developed a user-friendly Excel interface using VBA (Visual Basic for Applications), specifically tailored to optimize data entry processes and enhance efficiency within the warehouse operations, reducing data entry time by 40%

PROJECTS

Senior Design Capstone: EVENTREADY

August 2023 – April 2024

- Spearheaded front-end development utilizing Java and React, in conjunction with Material-UI, to interface with the Django back-end for EventReady, a comprehensive web application aimed at simplifying event management
- Operated within an Agile sprint environment, collaborating closely with the team to integrate features and deliver updates efficiently, facilitating a 32% increase in feature implementation speed and ensuring the timely development
- Implemented responsive design principles to guarantee a seamless user experience across various devices

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

Senior 100 Cohort of 2024: Distinguished as top 100 graduating seniors for exceptional achievements in academics, leadership & community engagement

CERTIFICATIONS

Microsoft Certified: Azure AI Fundamentals

IBM: Internet of Things Practitioner; Enterprise Design Thinking Practitioner