

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

TECHNICAL PROFICIENCIES

Relevant Coursework: Design & Analysis of Algorithms, Data Structures, Software Engineering, Database Design/Development, Cloud Computing, AI Principles & Applications

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

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

License & Certifications: Microsoft Azure AI Fundamentals, IBM IoT & Enterprise Design Thinking Practitioner

WORK EXPERIENCE

Bright Mind Enrichment & Schooling | San Francisco, CA

September 2024 – Present

UI/UX Web Developer

- Facilitated front-end features with back-end services using RESTful APIs, enabling seamless data flow and functionality
- Refined user experience by designing consistent user flows that aligned with the brand's vision and boosted engagement
- Designed and developed interfaces with Figma, WordPress, HTML, and CSS, enhancing usability and accessibility
- Elevated cross-device accessibility, increasing website traffic by 15% and improving overall user engagement metrics

Toyota Motor Manufacturing Kentucky | Georgetown, KY

May 2023 – August 2023

Full stack Developer – Production Control

- Streamlined the Supplier Change Request process by developing custom SQL solutions at Toyota's largest manufacturing plant
- Directed end-to-end data retrieval and automation while fostering continuous improvement through Agile and Kaizen practices
- Optimized workflows and CI/CD pipelines on MS Azure using SQL, Power Apps, and Power BI to enhance data integration
- Achieved a 15% reduction in process errors and improved data retrieval efficiency by 42%, benefiting over five teams

BECO Ventures | Singapore

September 2022 – December 2022

UI Process Engineer

- 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
- Ideated on epics, user personas, and user flows, boosting real-time data accessibility by 55% and delivery timelines by 30%

UC Simulation Center – P&G | Cincinnati, OH

January 2022 – April 2022

Data Analyst Co-op

- Engineered a multi-time zone analytics system with a VBA Excel interface, streamlining global data entry workflows
- Crafted detailed data visualizations in Power BI, delivering actionable insights that enhanced warehouse operations
- Implemented automated testing with RESTful APIs and PyTest, ensuring analytics accuracy and reliability
- Optimized warehouse data entry processes, reducing processing time by 40% and improving operational efficiency

PROJECTS

Cinemat [React, TypeScript, Tailwind CSS, GitHub]

September 2024 – Present

- Owned the end-to-end development of a scalable movie discovery app, from feature ideation to deployment
- Built a robust search, filtering, and exploration features using TMDb API, including pagination and actor filmographies
- Utilized Retrieval-Augmented Generation (RAG) techniques to enhance UX by integrating summaries and recommendations
- Improved API performance by 25% and deployed on GitHub Pages, boosting user engagement with faster & reliable interactions

Senior Design: EVENTREADY [React, MUI, Firebase, GitHub, RESTful APIs]

August 2023 – April 2024

- Led the front-end development team, taking ownership of UI/UX design and integration with back-end systems
- Designed a collaborative event-planning platform with real-time chat, reminders, and data centralization with Firebase and Django
- Utilized expertise in React, MUI, RESTful APIs, and Agile methodologies to deliver scalable, maintainable solutions
- Increased feature delivery speed by 32% with efficient CI/CD pipelines and streamlined team workflows

KroDash [Flask, Heroku, PostgreSQL, SQLAlchemy]

January 2024 – March 2024

- Spearheaded the development of a retail analytics dashboard, overseeing data integration and user interface design
- Created a unified platform for inventory and sales analytics, implementing pagination, filtering, and real-time data visualization
- Leveraged Flask, SQLAlchemy, and Azure PostgreSQL to build scalable back-end services with a modern UI
- Improved data processing speed by 20% and deployed the app on Heroku, ensuring seamless and efficient user access

LEADERSHIP ROLES & ACCOLADES

- **Student Commencement Speaker:** Delivered an address to over 7,000 attendees across three undergraduate ceremonies
- **Student Government – Senator-At-Large:** Elected as one of eight Senators to advocate for student interests on campus