# RITIKA JOSHI

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## EDUCATION

**University of Cincinnati**                                                        **Cincinnati, OH**
Bachelor of Science, Computer Science                                        Graduation Date: May 2024

## TECHNICAL PROFICIENCIES

**Languages:** TypeScript, JavaScript (ES6+), Python, Swift, Java, SQL, C++
**Frontend Development:** React, Angular, Next.js, Tailwind CSS, Responsive Layouts (CSS Grid/Flexbox), HTML, CSS
**Backend Development:** Node.js, Express, Django, REST & GraphQL APIs, PostgreSQL, MongoDB
**Mobile Development:** Swift, Objective-C, React Native, Xcode (iOS app experience)
**DevOps & Infrastructure:** AWS, Docker, Jenkins, Vercel, Git, CI/CD Pipelines
**AI Concepts:** Generative AI awareness, RAG, Model Context Protocols (MCP)
**Certifications:** Microsoft Azure AI Fundamentals, IBM Enterprise Design Thinking Practitioner

## WORK EXPERIENCE

**JOYDROP**                                                                          **San Francisco, CA**
*Full Stack App Developer*                                                          Sep 2025 – Present
- Built and scaled a full-stack platform using Next.js, Nest.js, and Firebase to power real-time recognition and reward interactions
- Optimized frontend and backend performance, improving responsiveness by **~30%** and enhancing reliability across user sessions
- Partnered with the lead engineer to design scalable architecture supporting fast, joyful social interactions at scale
- Integrated **AI-powered text generation** features using **LLMs** to personalize and enhance user engagement across the app
- Contributed to UI/UX improvements that elevate accessibility, interactivity, and user retention through thoughtful design and iteration

**Bright Mind Enrichment & Schooling**                                              **San Francisco, CA**
*UI/UX Web Developer*                                                               Sep 2024 – Jul 2025
- Developed and maintained donation pages, improving usability and secure payment flows, boosting conversions by **20%**
- Optimized site responsiveness and load times by **30%** by implementing optimized React components and REST API integrations
- Accelerated backend performance, cutting API response times by **35%** and lowering bounce rates by **20%** with streamlined logic
- Delivered high-performance, accessible features end-to-end, boosting site traffic and engagement by **25%**

**TOYOTA**                                                                          **Georgetown, KY**
*Full Stack Developer – Production Control*                                         May 2023 – Aug 2023
- Reduced manual errors by **20%** by designing and deploying SQL pipelines for Supplier Change Requests
- Improved process scalability and collaboration by **30%** by automating workflows with MS Azure and Kaizen methods
- Cut manual reporting efforts by **40%** by building real-time analytics dashboards with Power BI and integrating CI/CD pipelines
- Improved data retrieval efficiency by **42%** by automating supplier change request data infrastructure across 5+ teams

**BECO Ventures**                                                                   **Singapore**
*UI Process Engineer*                                                              Sep 2022 – Dec 2022
- Enabled real-time monitoring of **10K+ greenhouse sensor readings** by developing a cloud-based data processing pipeline
- Increased user efficiency by **40%** by building interactive dashboards with React, Python, SQL, and MongoDB
- Streamlined reporting, cutting generation time by **30%** and improving accessibility by **55%** through real-time processing systems
- Improved product reliability and adoption by optimizing AWS infrastructure for **99.9% uptime** and refining user flows

**P&G** – UC Simulation Center                                                      **Cincinnati, OH**
*Data Analyst*                                                                      Jan 2022 – Apr 2022
- Designed automated analytics with Excel VBA + REST APIs, reducing processing time by **40%** for global warehouse operations
- Produced Power BI dashboards that improved decision-making speed by **25%** across 3+ time zones
- Validated data accuracy and improved reliability by integrating PyTest and automated testing pipelines
- Facilitated multi-time zone collaboration by designing a shared analytics system, enabling consistent data entry worldwide

**KROGER** – Virtual Innovation Studio                                              **Cincinnati, OH**
*CS Intern Kroger Plus App Team*                                                    Jan 2020 – Apr 2020
- Enhanced Kroger Plus iOS app features using Swift and UIKit, increasing engagement by **15%** and retention by **10%**
- Improved accessibility and navigation for **500K+ users**, driving a **12% boost** in App Store ratings
- Collaborated with cross-functional teams to deliver personalized, data-driven features improving overall user experience

## PROJECTS

**ZOOMIES** – iOS Runner Game [Swift, SpriteKit, Xcode]                             Sep 2025 – Present
- Built and optimized a **Swift-based** SpriteKit game with responsive physics, smooth animations, and low-latency performance on iOS
- Designed scalable game architecture and UI systems to enhance interactivity, frame stability, & player engagement across devices

**CINEMATE** [Javascript (ES6+), React, TypeScript, Tailwind CSS, Git]              Sep 2024 – Jan 2025
- Optimized search & API performance by building efficient filtering with ES6+ (async/await, destructuring), improving API speed by 25%
- Enhanced UX with AI-powered summaries and personalized recommendations using Retrieval-Augmented Generation