RITIKA JOSHI

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EDUCATION

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

TECHNICAL PROFICIENCIES

Programming & Development: TypeScript, JavaScript (ES6+), Angular, React, Next.js, Python, SQL, C++

Frontend: Responsive Layouts (CSS Grid/Flexbox), Tailwind CSS, Component Libraries

Backend & Data: Node.js, REST & GraphQL APIs, Postgres, MongoDB

Testing & Quality: Unit/Integration Testing, CI/CD Pipelines, Git

Infrastructure & Deployment: AWS, Docker, Vercel, Cloud Pipelines

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 MOTOR MANUFACTURING KENTUCKY   **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
- Increased customer engagement by **15%** and retention by **10%** by enhancing Kroger Plus **iOS app** features based on usage data
- Boosted user interaction by **20%** by analyzing customer behavior and delivering personalized promotions
- Improved accessibility for **500K+ users** by designing and implementing new navigation features
- Incorporated customer feedback into iterative UI/UX updates, raising **App Store** ratings **by 12%**

PROJECTS

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

EVENTREADY [React, MUI, Firebase, GitHub, RESTful APIs]   Aug 2023 – Apr 2024
- Designed a collaborative event-planning platform with real-time chat, reminders, and centralized data using Firebase and Django
- Improved feature delivery speed by 32% with CI/CD pipelines, leveraging React, MUI, RESTful APIs, and Agile methodologies