RITHESH RAJA

**MASTERS IN COMPUTER SCIENCE**

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# PROFESSIONAL SUMMARY

# Builder-minded software engineer with 2+ years of experience delivering scalable, user-focused full-stack applications using React, TypeScript, JavaScript, Python, Java, and SQL. Strong foundation in computer science with a Master’s degree (GPA 4.0) and a proven ability to ship complex software features across frontend and backend. Experienced in collaborating with product, design, and cross-functional teams to deliver high-impact user-facing solutions. Familiar with Go, GraphQL, and modern cloud-native stacks. Passionate about solving hard problems, learning fast, and driving meaningful impact in fast-paced environments—whether in startups or public sector teams.

# TECHNICAL SKILLS

# Languages & Frameworks: Java, Python, JavaScript, TypeScript, Go (familiar), GraphQL (familiar), Scala, SQL, HTML, Bash, Swift

# Frontend: React, D3.js, Responsive Design, User-Centered UI, Accessibility Standards

# Backend & Infrastructure: REST APIs, Microservices, Object-Oriented Programming, Multi-threaded

# Systems, Docker, CI/CD, Jenkins

# Tools & Platforms: Git, Unix/Linux, Oracle DB, Apache Stack, Google Cloud Platform (BigQuery, Dataflow, Cloud Functions), Agile/Scrum

# Soft Skills: Problem Solving, Communication, Cross-functional Collaboration, Continuous Learning, Product Thinking, Ownership

# PROFESSIONAL EXPERIENCE

# Power Platform Developer Intern (*Jun 2024 – Aug 2024)*

# *Illinois Department of Central Management Services – Springfield, Illinois*

# Built full-stack internal tools with JavaScript, React components, and Power Platform, improving digital workflows and user-facing interfaces.

# Designed backend logic using REST APIs to support real-time data submission, enabling scalable automation of business processes.

# Collaborated closely with policy teams, product management, and IT stakeholders to shape product features aligned with end-user needs.

# Applied strong verbal communication skills and written documentation practices to convey technical designs to non-technical collaborators.

# Took ownership from concept to deployment in an agile startup-like environment, demonstrating adaptability and growth mindset.

# Software Engineer (*Jul 2021 – Jul 2023)*

# *Infinite Computer Solutions – Bengaluru, India*

# Developed full-stack applications using Java, Python, React, and SQL to power analytics tools and AI-driven user experiences across platforms.

# Collaborated with cross-functional teams, including product managers, frontend developers, and data scientists, to design and ship impactful product features.

# Engineered scalable backend services and RESTful APIs, and supported frontend development using modern JavaScript frameworks.

# Contributed to a dynamic, fast-paced development culture with a startup mentality—focused on delivering features that drive measurable outcomes.

# Demonstrated effective written and verbal communication skills when coordinating across distributed teams and documenting system design.

# Embraced continuous learning and technical growth while mentoring junior engineers and improving internal knowledge sharing.

# EDUCATION Master’s in computer science (Graduated: May 2025) *University of Illinois at Springfield* — GPA: 4.0

# Bachelor of Computer Applications (Graduated: June 2021) *Reva University* — GPA: 3.8

**PROJECTS Credit Card Transactions Predictive Analytics** **(*Feb 2025 – Apr 2025)***

* Designed, implemented, and tested an end-to-end GenAI pipeline using GCP services (BigQuery ML, Cloud Functions, Pub/Sub).
* Optimized model performance using tokenizers and transformer graph simplification for real-time fraud scoring.
* Developed automation strategies and unit tests to ensure model reliability in production-like environments.

**IRCTC Data Pipeline** **(*Dec 2024 – Feb 2025)***

* Architected and delivered a scalable, containerized NLP pipeline using Apache Beam and Dataflow.
* Integrated schema evolution logic, tokenizer preprocessing, and batch inference components.
* Leveraged automation frameworks, static code analysis, and CI/CD tools to streamline development and testing.