

# Ronniel Gandhe

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## SKILLS

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**Languages/Frameworks:** Python (pandas, numpy, pydantic), JavaScript/TypeScript, C, SQL, Bash, R

**Cloud/Databases:** AWS (Lambda, API Gateway, S3, DynamoDB), Docker, Linux, MongoDB

**Systems/Tools:** Git, Next.js/React, Express.js, OAuth2, REST/JSON APIs, CI/CD (GitHub Actions, PyTest)

**Certifications:** Quantitative Modeling for Analysts (Wharton); Machine Learning for Trading (Google Cloud & NYIF)

## EDUCATION

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### Wilfrid Laurier University

*Bachelor of Computer Science with Management Option*

Waterloo, ON

Sep 2025 – Present

- Algorithms, Data Structures I & II, Databases, OS, Object-Oriented Programming

### University of Waterloo & Wilfrid Laurier University

*Computer Science and BBA Double Degree Program*

Waterloo, ON

Sep 2022 – Apr 2025

## EXPERIENCE

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### Augmentor Labs

*Software Engineering Intern, Cloud Infrastructure Team*

Palo Alto, CA

Sep 2024 – Apr 2025

- Developed **webhooks** to integrate 4 third-party tools (GitHub, Jira, Confluence, Salesforce), **utilizing API documentation and implementing request/response flows**, enabling seamless cross-platform updates.
- Implemented pipelines to ingest data into **AWS S3 and DynamoDB**, handling edge cases in payloads and **ensuring consistent schema for downstream use and real-time analytics**, resulting in faster data availability.
- Normalized event fields across services, reducing parsing errors and cutting recurring debugging tickets by **10+ per week**, which improved engineering productivity and reduced incident recovery time.
- Improved reliability of dashboards by ensuring data ingestion within seconds during staging tests, keeping data freshness under **9s lag** for majority of updates and providing more accurate real-time visibility to stakeholders.

### CIBC

*Project Coordinator, Payment Technologies – Commercial Banking*

Toronto, ON

Jan 2024 – Apr 2024

- Maintained and updated **RAID logs** tracking 100+ risks/actions/issues/decisions across 3 streams, ensuring stakeholder alignment and **providing PMs/executives a single source of truth enabling dependency prioritization**.
- Captured notes for **70+ meetings**, converting into **185+ tracked action items** with ownership and follow-ups. Presented **20+ timeline updates** to executives, streamlining communication across technical and non-technical stakeholders which enforced accountability and reduced missed deadlines instances.
- Created ad-hoc **Excel/PowerPoint reports** for **\$5M+ program deliverables** spanning migrations and hot fixes.
- Coordinated with **IBM and TCS vendors**, plus internal QA, BA, and compliance teams, helping close 10+ dependencies on schedule and ensuring stakeholders had visibility into every stage of delivery.

## PROJECTS

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### QuantZoo

*Python, pandas, numpy, Broker APIs*

- Maintains a collection of **systematic trading strategies** (momentum, mean-reversion, volatility filters) optimized for prop-firm constraints, ensuring compliance with drawdown rules and capital scaling requirements.
- Built a backtesting + walk-forward pipeline across **2015–2024** data; verified strategies achieved **Sharpe 1.4–1.8** with max drawdown **under 6%**, outperforming baseline benchmarks while maintaining capital protection.
- Used strategies to pass **12 prop firm challenges**, unlocking over **\$200k** in funded trading capital, and deployed live via broker APIs with JSON order routing and latency monitoring. Currently powering quantterminal.ca.

### YourNews

*Next.js, Express.js, React, OpenAI API, TypeScript*

- Built a full-stack **personalized news dashboard** that integrates OpenAI for summarization and context generation.
- Curates Reuters RSS feeds with **keyword extraction + TF-IDF scoring**, then surfaces user-tailored insights with history tracking ensuring personalized recommendations improve as usage grows.
- Designed scalable architecture with modular Next.js front-end, Express REST API, and service layer covered by Jest/supertest integration tests, supporting **thousands of concurrent requests** without performance degradation.