

GOPAL REISSENBERGER

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Brisbane, Queensland
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EDUCATION

The University of Queensland

Bachelor of Mathematics; Statistics & Mathematical Data Science Major

Brisbane, QLD
Feb 2026 – Nov 2028

- Full Scholarship Awarded; GPA pending (commenced Feb 2026)
- Relevant Coursework: Mathematical Modelling, Discrete Mathematics, Computational Methods, Information Systems, Software Engineering

Bhaktivedanta Swami Gurukula

Higher School Certificate

Eungella, NSW
Feb 2024 – Nov 2025

- Adjusted ATAR: 98.6 – top 1.5% in NSW
- Awarded Dux Literarum (Years 7, 9, 11, 12)
- Two-year Academic Acceleration – completed HSC at 15
- Achieved Outstanding Achievement Award across all HSC subjects

WORK EXPERIENCE

MedEntry

Academic Tutor & Presenter

Brisbane, QLD
Nov 2025 – Present

- Tutoring students for tertiary admissions testing (UCAT), coaching exam strategy and quantitative problem-solving under time pressure.
- Delivered webinars and seminar presentations on medical and dental school admissions, UCAT preparation, and application pathways.

International Society for Krishna Consciousness (ISKCON)

Financial Assistant (Internship)

Murwillumbah, NSW
Jan 2026 – Feb 2026

- Build automated workflow that processes invoices through accounting systems, increasing efficiency by ~25%.
- Reduced manual administrative work in relevant sectors by ~95% by building automated workflows connecting Jotform with AI agents and designed Microsoft 365 systems.

Phinetic Solutions

Co-Founder

Gold Coast, QLD
Feb 2025 – Jan 2026

- Built AI-driven automation solutions that streamlined business operations and improved client efficiency by up to 90%.
- Led company strategy, client acquisition, and technical development across multiple automation and data engineering engagements.

PROJECTS

Project MIDAS – The Earth Prize Competition Submission

Nov 2025 – Present

- Built a 40,000-line stochastic optimisation framework (Mercury Algorithm) modelling sustainability project portfolios as capital allocation decisions under uncertainty.
- Ingests orthomosaic, weather, hazard, and economic data, simulates future outcomes via Monte Carlo, measures downside risk using CvaR and solves portfolio optimisation.

Personal Finance & Risk Analysis App

Dec 2025 – Present

- Developed a Python app (Tkinter) with a custom cashflow engine, forward monthly projections, Monte Carlo stress-testing, and scenario shock modelling.

Reinforcement Learning Agent (DQN)

Jan 2026

- Trained a DQN neural network across 1,500 Snake games, analysing score volatility and learning dynamics.

ADDITIONAL INFORMATION

Skills: Python, C++, SQL; Stochastic optimisation, DQN/RL, Financial/Equity Analysis
Modelling: Portfolio optimisation, risk-adjusted return modelling, cashflow simulation, LBO concepts
Certifications: Financial Markets (Yale University), Foundations of Finance (University of Cambridge)
Publications: Penrose Magazine Competition Submission – 'AI in Financial Engineering' (top 20% of submissions), Number Theory research paper on computational verification of the Collatz Conjecture (pre-print available upon request)
Interests: Mrdanga percussion, Piano (LMusA standard), Tennis (Top 8 Regional Qualifier - NSW)

REFERENCES

Available upon request.