

# Arjun Agarwal

Phone: (+61) 406-848-473 |  |  | [Portfolio](#) | Sydney, NSW, Australia

## SUMMARY

Adaptable to new environments and quick to align efforts toward achieving impactful outcomes. A recent graduate with a Bachelor's degree in Information Technology from the University of Technology Sydney (UTS), majoring in Data Analytics and Business Studies with a focus on Technology, Finance, and Business Intelligence. Awarded academic and leadership scholarships, reflecting strong academic performance and meaningful contributions to student life and leadership.

## EDUCATION

<b>University of Technology Sydney</b> Bachelor of Information Technology • Score: 6.1 / 7 (GPA)	<b>Sydney, NSW</b> Aug 2022 – Sep 2025
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## WORK EXPERIENCE

<b>Apple Foundation Program</b> Role: iOS Developer & UI/ UX Developer	<b>Sydney, NSW</b> May 2025 – Jun 2025
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- Selected as one of only 30 students university-wide across all faculties for a competitive, challenge-based learning program run in collaboration with Apple
- Designing and developing a user-centric iOS app using Swift and Xcode, applying design thinking, UI/UX principles, and conceptual prototyping to solve real-world problems through iterative teamwork and innovation.
- Gaining hands-on experience in storytelling, structured pitching, and collaborative problem-solving by presenting app concepts to mentors and peers in fast-paced, feedback-driven sessions.
- Engaging daily in workshops, peer reviews, and mentorship sessions aligned with Apple's values of creativity, innovation, and customer focus.

<b>Artificial Analysis</b> Role: Benchmark Analyst	<b>Sydney, NSW</b> Sep 2024 – Dec 2024
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- Conducted AI model benchmarking by analysing a wide range of sector-specific documents — including annual and quarterly reports, IPO filings, government policy papers, court judgments, and healthcare publications — to evaluate model comprehension in complex, high-stakes domains.
- Designed and curated over 150 domain-specific question-answer pairs across fields like law, finance, consulting, and public policy, testing models on multi-step reasoning, document synthesis, and real-world applicability.
- Identified recurring failure points in AI-generated outputs — such as misinterpreted regulatory clauses or inaccurate financial metrics — and collaborated with the analyst team to refine prompt structures and improve factual consistency in responses.
- Played a key role in stress-testing AI capabilities for decision support tasks by simulating real consulting workflows — such as summarizing Mergers and Acquisitions (M&A) deals, analysing annual report narratives, and extracting boardroom insights — helping shape product design and model evaluation frameworks.

<b>Yura Mudang, UTS Housing</b> Role: Resident Networker	<b>Sydney, NSW</b> Jul 2024 - Nov 2024
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- Planned, organized, and executed events ranging from small gatherings of 50 people to large-scale occasions with over 250 attendees.
- Led teams and demonstrated strong leadership by quickly troubleshooting unexpected issues, such as vendor cancellations, technical glitches, transport disruptions, and adverse weather conditions, to ensure smooth events.
- Building community and being first source of contact for housing residents for any issues / questions faced.

<b>Dezerv Investments Private Limited</b> Role: Financial Analyst Intern	<b>India</b> Jan 2024 - Feb 2024
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- Conducted investment research and analysis using Bloomberg and Morningstar, identifying areas for improvement in existing methodologies, and presented a final report reviewed and accepted by the Division Head overseeing Finance and Investments.
- Visited clients in person to deliver real-time data reports and comprehensive, self-created portfolio reviews.
- Presented research findings on the portfolio mix of high-net-worth and ultra-high-net-worth families to board directors.

## UNIVERSITY PROJECTS

<b>Third Year (2024–2025)</b> <b>Machine Learning Capstone Project</b> Study & Implementation of Linear Regression Model   Python, NumPy, Google Colab   Individual Project	<b>Sydney, NSW</b> Aug 2024 – Nov 2024
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- Implemented simple, multiple, and multivariate polynomial linear regression models from scratch using Python, with custom gradient descent and L1/L2 regularization to address overfitting and multicollinearity.
- Evaluated models using MSE, R<sup>2</sup>, and Adjusted R<sup>2</sup>; demonstrated understanding of hypothesis and loss functions and presented

findings in a peer- and tutor-reviewed oral panel session, responding to in-depth questions on model design, evaluation, and feature engineering.

## Second Year (2023–2024)

### Data Visualisation & Visual Analytics

Sydney, NSW

*Tableau & Excel-Based Data Projects | Individual Project*

Mar 2024 - May 2024

- Designed interactive dashboards and visualizations using Tableau and Excel—leveraging treemaps, geographic maps, and statistical tools to identify key trends, outliers, and patterns across diverse datasets.
- Analyzed property market trends, Australian Open tennis statistics, and international trade data across three distinct projects; translated complex insights into clear, actionable recommendations through effective data storytelling and reporting.

### Advanced Programming

Sydney, NSW

*Travel Management System | Java, JavaFX, OOP, MVC | Individual Project*

Sep 2023 - Nov 2023

- Developed a Java-based travel management system using OOP and JavaFX, with modular classes (Agency, Destination, Flight), clean structure and core features like destination management, flight booking, and multi-stop trip creation.
- Designed a dynamic GUI using MVC architecture with real-time updates and input validation, enhancing usability and contributing to a 95% project grade.

## First Year (2022–2023)

### Database Fundamentals

Sydney, NSW

*Relational Database Design & Implementation (PostgreSQL) | Group Project*

Mar 2023 – Jun 2023

- Designed and implemented a relational database using SQL in PostgreSQL, based on a case study of Telstra customer sign-ups for phone and internet plans.
- Analyzed data requirements, defined business rules, created a normalized ERD, and developed schemas with primary and foreign keys to ensure data integrity and improve query efficiency.

### Data Analytics

Sydney, NSW

*Housing Qualification Estimation via Supervised Learning Models | Individual Project*

Feb 2023 – Jun 2023

- Performed in-depth data exploration and preprocessing (binning, normalization, discretization, binarisation) on a real-world housing dataset, identified attribute relationships, and handled outliers using KNIME.
- Built and optimized multiple classifiers (DT, KNN, RF, SVM, NN, GBT, Tree Ensemble) to predict housing qualification, selecting Random Forest for final Kaggle submission based on performance.

### Programming Fundamentals

Sydney, NSW

*Terminal Game – Into the Mists | Java, OOP, Real-Time Input | Individual Project*

Sep 2022 – Nov 2022

- Developed a modular, turn-based terminal game in Java using Tile, Grid, and Player classes; implemented a three-parameter customizable grid system, dynamic tile visibility, and real-time input controls to enhance gameplay interaction.
- Built a robust game loop to manage player actions, input validation, map updates, and win conditions; followed a task-driven development approach, passing all test cases and achieving a 100% project grade.

## HONORS AND AWARDS

### University of Technology Sydney

Sydney, NSW

- Recipient of Undergraduate Academic Excellence International Scholarship (2022–2025): Merit-based award for scholars.
- UTS Tech Fest (2025): iOS Hackathon winner.
- UTS Tech Fest (2025): Decision Advantage AI Hackathon: First Place Award.
- Recognised on the Dean's List (2024) for outstanding academic achievement.
- Recipient of UTS Housing Networker Scholarship (Jul 2024 – Nov 2024): Leadership program for selected student leaders.

## LEADERSHIP EXPERIENCE

### University of Technology Sydney

Sydney, NSW

- UTS SOUL Award (2025): Volunteered in impactful social and environmental initiatives
- Tech Society's Executive (2022-2024)

## CERTIFICATES

**McKinsey & Company:** Forward learning program (completed) | **Forage:** Accenture Australia Technology Consulting Job Simulation (completed) & Citi Finance Job Simulation (completed) | **edX:** HarvardX CS50's Introduction to Computer Science (in progress) | **Coursera:** Google Advanced Data Analytics Certificate (in progress)

## SKILLS

**Soft Skills:** Communication, Problem-Solving, Critical Thinking, Adaptability, Teamwork, Leadership, Organisation, Client Relationship Management (CRM)

**Technical Skills/Languages:** Python, SQL, Excel, Tableau, KNIME, Java, HTML/CSS, Google Colab, Visual Studio Code, Linux/Unix, Swift, Microsoft Suite, UML.

**References available on request**