

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

University of Technology Sydney

Bachelor of Information Technology

• Score: 6.1 / 7 (GPA)

Sydney, NSW

Aug 2022 – Sep 2025

WORK EXPERIENCE

Apple Foundation Program

Role: iOS Developer & UI/UX Developer

Sydney, NSW

May 2025 – Jun 2025

- 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.

Artificial Analysis

Role: Benchmark Analyst

Sydney, NSW

Sep 2024 – Dec 2024

- 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.

Yura Mudang, UTS Housing

Role: Resident Networker

Sydney, NSW

Jul 2024 - Nov 2024

- 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.

Dezerv Investments Private Limited

Role: Financial Analyst Intern

India

Jan 2024 - Feb 2024

- 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

Third Year (2024–2025)

Machine Learning Capstone Project

Study & Implementation of Linear Regression Model |
Python, NumPy, Google Colab | Individual Project

Sydney, NSW

Aug 2024 – Nov 2024

- 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^2 , and Adjusted R^2 ; 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 - Nov2023

- 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