Arjun Agarwal

Phone: (+61) 406-848-473 | ✉ in | 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   **Sydney, NSW**
Bachelor of Information Technology   Aug 2022 – Jun 2025

WORK EXPERIENCE

Apple Foundation Program   **Sydney, NSW**
Role: iOS Developer & UI/ UX Developer   May 2025 – Jun 2025

• Selected as one of only 30 students university-wide, across all faculties, for a competitive, challenge-based learning program run by Apple in partnership with the University of Technology Sydney.

• Designed and developed a user-centric iOS app called "Singular", a focus training tool, using Swift and Xcode. Applied design thinking, UI/UX principles, and rapid prototyping to address real-world problems through iterative teamwork and innovation.

• Gained 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.

• Participated daily in workshops, peer reviews, and mentorship sessions aligned with Apple's core values of creativity, innovation, and customer focus.

Artificial Analysis   **Sydney, NSW**
Role: Benchmark Analyst   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 such as 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, including misinterpreted regulatory clauses and inaccurate financial metrics, and collaborated with the analyst team to refine prompt structures and enhance factual consistency.

• Played a key role in stress-testing AI capabilities for decision support tasks by simulating real consulting workflows: summarizing Mergers and Acquisitions (M&A) deals, analysing annual report narratives, and extracting boardroom insights. This contributed directly to shaping both product design and model evaluation frameworks.

Yura Mudang, UTS Housing   **Sydney, NSW**
Role: Resident Networker   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   **India**
Role: Financial Analyst Intern   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   **Sydney, NSW**
Study & Implementation of Linear Regression Model | Aug 2024 – Nov 2024
Python, NumPy, Google Colab | Individual Project

• 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.

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.

Business Requirement Modelling   **Sydney, NSW**
Customer Onboarding System (COS) – Requirements Analysis & Specification | Group Project   Mar 2023 - May 2023

• Analyzed business needs and defined functional, non-functional, and data requirements for an improved COS; documented user stories, use cases, and user story maps with prioritization.

• Produced SRS-compliant object-oriented models including use case narratives, class diagrams, sequence diagrams, state transition diagrams, and security/performance requirements based on stakeholder needs.

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 Data Analytics Professional 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