

ASHMIT RAINA

Sydney, NSW | 0451 015 793 | rainaashmit@gmail.com **LinkedIn:** <https://www.linkedin.com/in/ashmit-raina-15b816326/> | **GitHub:** github.com/ashmitrrr | **Portfolio:** https://ashmitrrr.github.io/personal_portfolio/

PROFESSIONAL SUMMARY: High-performing **Bachelor of Computing Science (Honors)** student majoring in **AI & Data Analytics** with a **Distinction Average (WAM: 81.62)**. Proficient in **Python** and **Natural Language Processing (NLP)**, with practical experience building and deploying AI applications using **Transformers (BERT)** and **Cloud Services**. Proven leadership ability as an Executive at the UTS AI Society and 180 Degrees Consulting.

EDUCATION: **University of Technology Sydney (UTS)** | Sydney, Australia
Bachelor of Computing Science (Honors) – Major in AI & Data Analytics | Sub Major: AWS | Exp. Graduation: 2027

- **Academic Achievement: Distinction Average (WAM: 81.62) | GPA: 6.13 / 7.0**
- **Top Coursework:** Cloud Computing (94), Web Systems (95), Theory of Computing Science (92), Network Fundamentals (88), Database Fundamentals (85).
- **Relevant Subjects:** Machine Learning, Deep Learning, Data Structures & Algorithms.

TECHNICAL SKILLS

- **Languages:** Python (Advanced), SQL, Java, HTML5/CSS3
- **AI & NLP:** PyTorch, TensorFlow, Scikit-Learn, spaCy, Hugging Face Transformers (BERT/SBERT), NLTK.
- **Data Analysis: Advanced Excel** (Pivot Tables, VLOOKUP, Macros), Pandas, NumPy, Plotly.
- **Cloud & Tools:** AWS (EC2/S3), Git/GitHub, Streamlit, Docker, VS Code.

TECHNICAL PROJECTS (AI & ANALYTICS) **AI-Powered Semantic Document Analyzer** | *Python, Transformers, spaCy, Streamlit*

- Engineered a semantic analysis engine using **SBERT (Sentence-Transformers)** to evaluate document similarity between resumes and job descriptions with high accuracy.
- Implemented a hybrid NLP approach combining **Vector Embeddings (Cosine Similarity)** for context matching and **spaCy** for keyword/entity extraction.
- Deployed the application as a full-stack SaaS tool with a responsive UI, featuring real-time scoring and gap analysis reporting.
- *Demonstrates: Component validation, NLP proficiency, Independent problem solving.*

SentimenTrade – Financial Analytics Dashboard | *Python, BERT, Yahoo Finance API*

- Built a real-time financial dashboard correlating stock price movements with news sentiment using the **FinBERT** model.
- Developed data pipelines to ingest live market data via **yfinance** and visualize trends using **Plotly**.
- *Demonstrates: Data visualization, handling time-series data, applying AI to business logic.*

Intelligent Expense & Budgeting System | Python, Pandas, Plotly

- Developed a logic-driven financial tracking tool with **natural language input parsing** to categorize user expenses automatically.
- Utilized **Pandas** for complex data aggregation and generated interactive spending breakdown charts.

LEADERSHIP & EXPERIENCE:

Tech Team Executive | UTS Artificial Intelligence Society Oct 2025 – Present

- Collaborating with the technical committee to design and deliver AI workshops for students, focusing on Python and Machine Learning concepts.
- Assisting in the organization of hackathons and technical showcases, fostering a community of AI enthusiasts.

Secretary & Treasurer | 180 Degrees Consulting (UTS Branch) Jan 2025 – Present

- Managing the financial strategy and budget allocation for the UTS branch of the world's largest student consultancy.
- Streamlining internal operations and documentation to improve organizational efficiency for consultant teams.

Marketing Executive | StartUp Link UTS May 2025 – Present

- Spearheading data-driven marketing campaigns to increase student engagement with the startup ecosystem.
- Analyzing engagement metrics to optimize outreach strategies and event attendance.

Accessibility Note-Taker | University of Technology Sydney Jul 2024 – May 2025

- Produced high-accuracy technical documentation for complex computer science lectures, demonstrating strong attention to detail and reliability.

AVAILABILITY

- Available for 3-4 days per week (Casual/Part-Time) during the semester