

Arian Islam

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Education

- **University of Sydney**, Bachelor of Advanced Computing (2nd Year), *Dalyell Scholar* 2023–Present
 - **Major:** Computer Science **Minor:** Cyber Security
 - **Relevant Coursework:** **COMP2123** – Data Structures and Algorithms (87 HD), **SOFT2412** – Agile Software Development Practices (85 HD), **INFO3333** – Project Management (90 HD)
 - **Overall WAM:** 82.3

Relevant Work Experience

- **Faculty of Computer Science, University of Sydney**, Casual Academic 2025 - Present
 - Developed Lab Material and Demonstration Videos for courses:
 - * **INFO1112** Computing 1B OS and Network Platforms
 - * **ISYS2120** Data and Information Management
- **Sydney University Cyber Security Society**, Sub-Committee (Events) 2024 - Present
 - Collaborated in the organization and execution of 4 cybersecurity events and workshops, reaching 30+ participants.
 - Designed and created presentation slides for 2 workshops.
 - Contributed to designing the Website of the Society
- **Private Python Tutoring** Class Size: 6 students (per session) 2023
 - Tutored students from Year 11 through university level (predominantly BRAC University, Bangladesh)
 - Earned an 18/20 (90%) satisfaction score from 6 students, as measured by a University of Sydney performance assessment survey.
 - **Concepts Taught:** Fundamentals of Programming (*e.g Loops, Recursion*), Basic Data Structures and Algorithms, Object Oriented Programming Principles

Relevant Personal Projects

- **ConfidEase:** [GitHub Link](#)
 - Improved resume ATS match by up to 40% by building an AI-powered NLP web app with a user-friendly, responsive **UI/UX** that streamlines keyword comparison and generates LLM-based suggestions for missing terms.
 - Enhanced candidate preparation through clear, visually intuitive dashboards that integrate automated scraping of 20+ company news articles and 10 employee LinkedIn profiles.
 - **Tech:** Python, Flask, spaCy, HuggingFace Transformers (Flan-T5), pdfplumber, BeautifulSoup, feedparser, Jinja2, Matplotlib
- **PlanIT:** [GitHub Link](#)
 - Designed a full-stack web app with an engaging, mobile-optimised **UI/UX** that improves participant interaction via interactive polling and comment threads — addressing gaps in mainstream event platforms.
 - **Tech:** Ruby, Ruby on Rails, SQLite (prototype), PostgreSQL (production)

Skills

- **Programming and Technical Expertise:**
 - Proficient in **Programming Languages:** Python, Java, MySQL/PostgreSQL, C/C++, Ruby, JavaScript, R
 - Well Versed in **Frameworks:** Flask, Ruby on Rails, Java Swing, Spring Boot, React
 - Experienced with **Tools:** Git, Bash, Docker, Jenkins, LaTeX documentation, Markdown
 - Exploring **AI & Data Science:** Natural Language Processing, Machine Learning Models, Data Analysis
- **Communication and Teamwork:**
 - Led logistics and archives for events with 200+ participants; managed volunteer teams effectively.
 - Scored IELTS band 8 (out of 9). Worked in teams of multicultural people.

Extracurricular Activities

- **Rising Youth Society**, Vice President (Archive and Logistics) 2019 – 2022
 - Coordinated archive management and logistics for 3 major events (2 sports, 1 cultural) with 200 attendees each, ensuring smooth execution through volunteer team oversight and resource planning.
 - [Facebook Page Link](#)