

Rubaina Tausif

Australia, +610422013720, rtau0237@uni.sydney.edu.au

PROFILE

Currently, a third-year student pursuing a Bachelor's degree in Advanced Computing from the University of Sydney, majoring in Computer Science and Computational Data Science. Fluent in several programming languages, including Python, Java, C, R, and SQL. Knowledgeable in the user interface, testing, and debugging processes. Able to effectively self-manage during independent projects, as well as collaborate in a team setting. Proficient in various platforms, languages, and embedded systems. A creative thinker, adept in software development and working with various data structures. Dedicated team leader with the ability to effectively manage and achieve project goals, leveraging my complex understanding of systems engineering concepts.

PROJECT

Vending Machine Program

I developed a Java project replicating a vending machine system with personalized user accounts. Users had different roles (owner, user, accountant) and could access the system with login details. The project utilized Java, Gradle, Jacoco, and GitHub for development, testing, and collaboration. It generated CSV sales reports for retrieval based on user roles.

Bomberman game

I created a Java project using the processing.core library to recreate the popular Bomberman game. The project incorporated essential concepts like inheritance and abstract classes, providing a robust and extensible structure. Java, Gradle, and Jacoco were employed as tools for development, build automation, and code coverage analysis. The result was an engaging Bomberman game that showcased my proficiency in Java programming and utilization of key programming principles.

EMPLOYMENT HISTORY

Aug 2022 — Present

PASS Facilitator, The University of Sydney

Sydney

Currently employed by the University of Sydney as a PASS Facilitator for the Introduction to Programming (INFO1110) unit. My responsibilities include guiding the group discussion among students and encouraging successful problem-solving. Having been working as a PASS facilitator, my communication skills, leadership skills and confidence in working with people have become much stronger. As a facilitator, I try to understand the needs of the students and guide them to a proper solution.

Jul 2020 — Mar 2021

Tutor

I have worked as a tutor and provided helpful teaching supports to students who were unable to attend school during the initial stage of COVID. I also reviewed the completed student works and assigned learning exercises to build their problem-solving skills. Working as a tutor has helped me motivate and build rapport with students. Actively listening to them and their needs helped me to guide them properly and the students also felt comfortable opening up to me and sharing their problems.

EDUCATION

Feb 2021 — Apr 2025

Bachelor of Advanced Computing, The University of Sydney

Sydney, NSW

Year 3, Majoring in Computer Science and Computational Data Science with a Distinction WAM of 81.0. Grades of some of the units :

1. Introduction to Programming (INFO1110) - 86.0 (HD)
2. Computing OS and Network Platforms focusing on Bash and Python (INFO1112) - 93.0 (HD)
3. Foundations of Data Science (DATA1001) - 80.0 (DI)
4. Object-Oriented Programming (INFO1113) - 85.0 (HD)
5. Building a Sustainable World (ENGD1000) - 93.0 (HD)
6. Data Science, Big Data and Data Variety (DATA2001) - 80.0 (DI)
7. Data Structures and Algorithms (COMP2123) - 85.0 (HD)
8. Data Analytics: Learning from Data (DATA2002) - 80.0 (DI)
9. Data and Information Management (ISYS2120) - 84.0 (DI)

Aug 2018 — Jul 2020

A Levels, Scholastica

Dhaka, Bangladesh

Graduated with 4 A* (ATAR 98.95).

Aug 2017 — Jul 2018

O levels, Schoastica

Dhaka, Bangladesh

Graduated with 8 A+ (ATAR 98.95).

SKILLS

Python

R

Java

SQL

C

Fast Learner

Teamwork

Communication Skills

Critical thinking and problem solving

Ability to Multitask

Leadership

Ability to Work Under Pressure

Time Management

EXTRA-CURRICULAR ACTIVITIES

Apr 2023 — Present

Treasurer, SUBSA

I am currently serving as the Treasurer of the Sydney University Bangladeshi Student Association (SUBSA). My responsibility includes representing the Bangladeshi Committee in meetings and events with other organizations, Managing the financial records and budget of the Bangladeshi Committee.

Sep 2022 — Sep 2022

Real Skills STEM Leadership Program

I took part in the 2022 Spring STEM Leaders Program, where I worked under the JDS Australia. Our task was to create a program where the clients using the New Relic One will be automatically emailed their schedule without needing them to log in or review it manually.

Feb 2022 — Feb 2022

Unihack Hackathon

Sydney, NSW

I participated in my first-ever hackathon as a team of 5 members. We recreated the famous arcade game Tetris but instead of destroying tiles, it requires killing virus using vaccines.

Mar 2022 — Present

Women and Diverse Genders Math Society (WAMSOC)

Sydney, NSW

I have been a fresh member of WAMSOC. My goal is to represent women from diverse backgrounds in math and to also explore my love for math and increase my knowledge in this area

LANGUAGES

English

Highly proficient

Bengali

Native speaker