Mafaz Abrar Jan Chowdhury

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**EDUCATION**

*Bachelor of Computer Science*Swinburne University of Technology  
Mar 2020 – Current

**SKILLS & WORK EXPERIENCE**

**Work Experience:** Networking Helpdesk Staff   
Swinburne University of Technology, Hawthorn VIC 3122  
*Aug 2022 – Current (1 Year)*  
IT troubleshooting and support for student designed networks. Helping students understand networking concepts and build and design efficient and effective networks.

**Tools:** Cisco ISR 4321 Routers, Cisco Catalyst 3650 Switches, Cisco Catalyst 2960 Plus Switches

**Work Experience**: McDonald’s Crew Member  
Kew McDonald’s, Kew VIC 3101; Ringwood McDonald’s, Ringwood VIC 3134  
*Jun 2022 – Current (1 Year)*  
Involved in preparation of food and customer service positions. Required time management and critical thinking skills, while maintaining pristine customer service.

**Skills:** Communication, Teamwork, Time Management, Critical Thinking

**Work Experience**: Infrastructure Development Lead  
Aquis Enterprises Atlantis Pty, Glen Huntly 3163  
*Dec 2022 – Feb 2023*  
Worked as Infrastructure Development Lead on a team to develop a mobile application for a client. Designed and developed several frontend React components for the application, as well as the overall logic and tech stack for the architecture. Also developed a Test Driven Development Plan for the application.

**Tools:** React Native, Docker, GitLab, Figma, Test Driven Development, Expo JS

**Work Experience:** IT Support and Customer ServiceIGA South Yarra Xpress + Liquor, South Yarra VIC 3141Feb 2022 – Current  
Served as sales assistant and IT support.

**Skills:** Customer Service, basic IT troubleshooting

**Work Experience:** Customer Service  
Otta The Friendly Grocer, Richmond VIC 3121Feb 2022 – Mar 2022  
Served as store clerk.

**Skills:** Customer Service

**Unit(s) of Study**: Introduction to Programming, Object Oriented Programming, Concurrent Programming, Data Structures and Patterns  
Learned code comprehension, documentation and debugging skills. Studied the principles of structured programming, as well as learning to use modular and functional decomposition to facilitate code reuse. Implemented several algorithms, including Dijkstra’s algorithm, and compared their performance in solving mazes.

Studied and applied the paradigms of object-oriented C# development and design, specifically those of abstraction, encapsulation, inheritance, and polymorphism. Studied common industry design patterns and applied these principles to build a physics engine in C#. Documented design using comments and UML.

Studied low level data structures and algorithm design and implementation in C++, using behavioral, creational, and structural software design patterns and used concurrency primitives in Java and C to develop simple concurrent programs.

**Tools:** Ruby, Code Analysis and Interpretation, Debugging, Code Design, Code Comprehension, Functional Decomposition, Object Oriented Programming, C#, Game Physics, Design Patterns, Abstraction, Encapsulation, Polymorphism, Creational Patterns, Behavioral Patterns, UML, Semaphores, Zemaphores, Locks, Condition Variables, Mutexes, C++, Vectors, N-trees, Linked Lists, Doubly Linked Lists, Algorithmic analysis, Big O Analysis.

**Unit(s) of Study:** Managing Software Projects, Software Engineering Project A   
In Managing Software Projects, I served as team leader for a team developing a simple web application following the Scrum development methodology. Organized two sprints and Scrum meetings, serving as Scrum master for all standups.

In Software Engineering Project A, I also served as team leader, for a team of developers designing an enterprise automated e-Forensic analysis application for a client. Designed architecture for application and oversaw development of various project management documentation including a Project Plan and a Software Quality Assurance Plan.  
  
**Tools**: Scrum, Trello, Github, AGILE, Risk assessment and analysis, time estimation methodologies including Delphi, React JS, Electron JS, Docker, Windows Subsystem for Linux, Node JS, UML.

**CERTIFICATIONS**

1. ***CCNAv7: Introduction to Networks***Cisco Networking Academy, Jun 2021
2. ***CCNAv7: Switching, Routing, and Wireless Essentials***Cisco Networking Academy, Jun 2022
3. ***CCNAv7: Enterprise Networking, Security, and Automation 2022***Cisco Networking Academy, Jun 2022
4. ***The Complete JavaScript Course 2020: Build Real Projects!***Udemy.com, Oct 2020
5. ***The Complete Python Course: Go from Beginner to Advanced!***Udemy.com, Oct 2020
6. ***The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert***Udemy.com, Oct 2020

**PROFESSIONAL MEMBERSHIPS**

1. **Golden Key International Honor Society**  
   Honorary Member  
   *Mar 2022 – Current*
2. **Australian Information Security Association**  
   Student Member  
   *Dec 2022 – Current*
3. **Swinburne Cyber Security Club**  
   Committee Chair (Treasurer)  
   *Dec 2022 – Current*