

# Mahidi Ilangarathna

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## CAREER OBJECTIVE

I am a value-driven and detail-oriented final-year Computing Science (Honours) undergraduate at the University of Technology Sydney, majoring in Artificial Intelligence and Data Analytics, with a WAM of 90.12 and GPA of 6.81. I have a strong technical foundation in software development, machine learning, and cloud technologies, and enjoy applying data-driven approaches to real-world problems. As a Shift Manager at McDonald's, I have led teams, managed operations, and delivered results in high-pressure environments, strengthening my leadership, communication, and decision-making skills. I am highly motivated to contribute my technical skills and am available to work part-time (up to 24 hours per week) during university sessions, while continuing to grow professionally.

## EDUCATION

**Bachelor of Computing Science (Hons.)**

**Feb 2024 – Dec 2026 (Expected)**

**University of Technology, Sydney**

- Majoring in Artificial Intelligence & Data Analytics
- Current WAM: 90.12; Current GPA: 6.81 (3<sup>rd</sup> Year)
- Recognised on the Dean's List (2025) for outstanding academic achievement.
- Developed machine learning models (SVMs, CNNs, ANNs) for image classification and data prediction using Python, Tensorflow and scikit-learn.
- Build data analytics pipelines using Pandas, Numpy, Matplotlib and Tableau to visualise real-world datasets.
- Designed and developed cloud-hosted web applications on AWS and Force.com.
- Collaborated in Agile-based group projects, using GitHub and platforms like JIRA and Trello.

**Diploma of Information Technology**

**July 2023 - Feb 2024**

**UTS College, Sri Lanka**

- GPA: 6.8
- Built working software applications using Java and Python, following an MVC architecture.
- Created technical diagrams such as Class, ERD, Use Case and Sequence diagrams.
- Created and managed complex data directories on Linux.
- Built a mock server heartbeat and pinger program using Python, monitoring it with Wireshark.
- Achieved 25% UTS College to UTS Pathway scholarship

## TECHNICAL SKILLS

<b>Languages</b>	Python, C++, Java, HTML/CSS, JavaScript, XML, SQL, Bash
<b>Systems</b>	Windows (10/11), MacOS, Linux (Ubuntu, Kali, CentOS), Android, iOS
<b>Software</b>	MS Office 365, VS Code, PyCharm, Git, Jupyter NBs, Tableau, Figma, Google Workspace, Trello/JIRA, AWS, Force.com
<b>Hardware</b>	PC Assembly, Register and Router Setup, Arduino boards, Network Cabling and setup, BIOS and firmware configuration, Troubleshooting POS Systems

## WORK EXPERIENCE

### **Shift Manager at McDonald's, Victoria Cross** **Mar 2025 – Jan 2026**

- Supervised and led a team of 5-10 employees to deliver consistent, high-quality service in a fast-paced environment.
- Managed daily operations such as cash handling, inventory control and safety regulations.
- Interviewed applicants with various backgrounds and determined their eligibility to work.
- Supported and troubleshooted the implementation of new POS systems and a register.

#### **Key achievements**

- Helped the store achieve a labour cost of less than 17.5% of sales for the first time.
- Helped the store achieve food waste and variance of less than 0.70% of sales.
- Completed Leadership Learning Transitions at McDonald's Head Office, Thornleigh.
- Completed and fully verified on Fire Safety and First Aid Training.

### **Crew Member at McDonald's, Victoria Cross** **May 2024 – Mar 2025**

- Delivered friendly and efficient customer service in a fast-paced, high-capacity environment.
- Adapted quickly to new system and procedure changes seamlessly.
- Assembled food orders accurately while maintaining safety and quality standards.
- Worked together with a team to achieve the common goal of fast and high-quality service.

## PROJECTS

### **Road Surface Damage Detection Model** **Feb 2025 – June 2025**

**University of Technology, Sydney**

- Built an intelligent and quick road surface damage detection model that assesses road damage severity to help prioritise maintenance.
- Used an RF-DETR model with a ResNet-18 backbone, trained on the RDD2020 dataset.
- Worked with different models such as YOLOv8 and CNNs.
- An interactive GUI was made using Django, Wagtail and HTML/CSS + JavaScript

# CORE SKILLS

## **Leadership and team management**

- Led a team of 5-10 staff members at McDonald's while coordinating university project groups, ensuring collaboration, accountability, and successful delivery of technical outcomes.

## **Communication and interpersonal skills**

- Developed strong written and verbal communication through managing staff and presenting IT project findings; effectively collaborated with peers to meet shared goals and deadlines.

## **Problem-solving and critical thinking**

- Applied structured analytical thinking to resolve operational challenges and to debug, optimise, and improve software and data-driven systems in academic projects.

## **Time management and prioritisation**

- Balanced part-time managerial duties with a full-time CS degree, consistently meeting work and study deadlines while maintaining performance standards in both.

## **Decision-making under pressure**

- Made confident operational and project-based decisions in high-pressure situations, handling peak-hour management and resolving critical system errors during development.

# EXTRA-CURRICULAR ACTIVITIES

## **Active Member of the UTS Tech Society**

**Feb 2024 –**

University of Technology, Sydney

## **Team Member of U14 and U16 Basketball Teams**

**Sep 2019 – May 2022**

Lyceum International School, Sri Lanka

## **Team Member of U11 – U17 Badminton Teams**

**Sep 2017 – May 2021**

- Captain of U15 and U17 Teams

Lyceum International School, Sri Lanka

# REFEREES

Available upon request