Prakriti Muralidharan
+65 89130430 | PRAKRITI002@e.ntu.edu.sg | www.linkedin.com/in/prakriti-muralidharan | https://github.com/prak0310 | **Singaporean**

EDUCATION

Nanyang Technological University, Singapore (NTU) Aug 2024 - May 2028
Bachelor of Computing with a Minor in Business

- Awarded the Tan Seow Chiap POWERS Scholarship (2024) for contributions to STEM initiatives
- Specialisation: Artificial Intelligence, Cybersecurity
- Relevant courses: Data Structures & Algorithms, Object Oriented Design & Programming, Software Engineering, Introduction to Databases

University of Warwick, United Kingdom Jul 2025 - Aug 2025
Student Exchange Program

- Attained A+ grade in Communications and Marketing

ACADEMIC PROJECT

TechFest Hackathon (Finalist) Jan 2026 - Jan 2026

- Developed a full-stack career coaching web application performed skill-gap analysis and generated role recommendations and personalized learning paths for 50+ test users, reducing manual career planning effort by 60%.
- Integrated a skill-gap analysis algorithm improved recommendation accuracy by 15% compared to baseline models

SimplifyNext Agentic AI Hackathon (Semi-finalist) Sept 2025 - Oct 2025

- Developed 'BudgetBuddy', a finance tracking application integrating agentic AI for conversational financial planning Improved users' expense tracking, budgeting, and savings efficiency by 20% using an AI chatbot deployed on Amazon Web Services (AWS)

Software Engineering Project - CommuteBuddy Aug 2025 - Dec 2025

- Constructed a full-stack transport information platform using React and Node.js integrated LTA Data mall APIs to display real-time bus/train arrivals and carpark availability across 500+ locations
- Implemented route optimisation by merging Google Maps Directions API with live LTA transit feeds, processing arrival timings to recommend fastest routes and suitable transport modes across 500+ stops

INTERNSHIP EXPERIENCE

Inland Revenue Authority of Singapore (IRAS) May 2025 - July 2025
Intern (Infocomm)

- Interned as part of the testing team for the launch of the new IRIN 3 system, supporting system readiness and deployment activities
- Utilized SQL to perform data checks, verification, and basic queries to support testing

Inland Revenue Authority of Singapore (IRAS)
Intern (Income Tax) Feb 2024 - July 2024

- Streamlined individual tax review process by performing specified system checks and audits on tax returns, ensuring 100% adherence to established statutory guidelines.

CO-CURRICULAR ACTIVITIES

NTU College of Computing and Data Science Orientation Dec 2025 - Present
BizMag Committee Member

- Supervised and mentored 10 committee members to facilitate orientation planning and execution
- Managed end-to-end logistics for welfare packs and committee shirts for 1000+ freshmen, overseeing procurement, vendor coordination, inventory tracking, and distribution

Tamil language Society (TLS) Aug 2024 - May 2025
Project Director

- Led end-to-end planning and execution of Diwali and Halloween events for 200+ attendees, managing a team of 15 volunteers, vendor coordination, budgeting, and program scheduling
- Directed welfare pack initiatives across two semesters for 300+ society members, overseeing vendor sourcing, budget management, and volunteer teams to execute large-scale distribution efficiently

SKILLS

Languages: Proficient in English, Tamil and Sourashtra, Basics in Chinese
Digital skills: Python, Java, C/C++, HTML, CSS, JavaScript, React, Figma, Git, Microsoft Word, Excel, PowerPoint, Object-Oriented Programming (OOP)