

# Nurfarahana

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Kuala Lumpur, Malaysia

## SUMMARY

3rd Year Computer Science student and fast learner who takes initiative. Currently delivering a freelance web project on a 4-week client deadline while balancing coursework. Communicates clearly across technical and non-technical teams, with a background in STEM teaching and managing stakeholders across 8 countries.

## EDUCATION

### Taylor's University

*Bachelor of Computer Science (Hons) - Artificial Intelligence with Data Science Extension*

Dual Award with University of the West of England (UWE), Bristol

Sep 2023 - Present

Subang Jaya, MY

- CGPA: 3.60
- Expected Graduation: Aug 2026
- **Relevant Coursework:** Machine Learning, Data Analytics & Visualization, Big Data Technologies, Computer Vision & Natural Language Processing, Internet of Things, Operating Systems & Computer Networks, Object-Oriented Programming, Database Systems, Software Engineering

## EXPERIENCE

### • Freelance Web Developer

Jan 2026 - Present

Kuala Lumpur, MY

- Building a custom web app in Next.js using TypeScript with Supabase backend for client, targeting 4-week delivery
- Translating client requirements into technical specs and iterating on features through weekly feedback cycles

### • RoboThink

Jan 2025 - June 2025

Kuala Lumpur, MY

*STEM Education Instructor*

- Taught Python and robotics to 50+ students ages 5-15, troubleshooting code and hardware issues in real-time
- Guided 10+ younger students ages 7-9 through block-based coding challenges, building computational thinking foundations
- Tutored 10+ students ages 5-18 in math using Singapore Math framework, with 80% showing grade improvement within 2 months

### • Digital Agency (NDA)

Apr 2023 - Dec 2024

Perth, AU

*Head of Sales*

- Grew sales from \$250K to \$1.1M (340% growth) while managing 6 teams and 50-70 employees
- Redesigned training program that cut onboarding time from 6 weeks to 2 weeks for 20-30 new hires
- Managed 20+ clients across 8 countries, doubling average retention from 3 to 6 months

## SKILLS

- **Languages:** TypeScript, JavaScript, Python, SQL
- **Web Development:** Next.js, React, Tailwind CSS
- **ML/AI:** scikit-learn, OpenCV
- **Data and Infrastructure:** Supabase, Tableau, Vercel
- **Tools & Platforms:** Git, Bun, Figma, Spline

## PROJECTS

### • nomnomnow - Food Discovery Social Platform

Jan 2026 - Present

*Next.js, TypeScript, Supabase, Google Maps Places API, Groq AI*

- Shipped auth system with Google OAuth and email, supporting 100+ saved restaurants with custom tags and filtering
- Integrated Groq AI chatbot that cuts decision fatigue by generating dining picks based on user mood and saved preferences
- Built social sharing system with 3-tier privacy controls (private/friends/public) enabling users to browse and discover community restaurant lists

- **Interactive Portfolio Website** Nov 2025 - Present  
*Next.js, JavaScript*
  - Created interactive aquarium portfolio with 10+ animated sprites and hand-crafted pixel art, boosting visual engagement
  - Engineered interactive water physics system with real-time mouse tracking, adding dynamic feedback to user interactions
- **Final Year Project: Predictive Modeling of Vehicle Accident Risk** Sep 2025 - Present  
*Python, LightGBM, Random Forest, XGBoost, scikit-learn*
  - Benchmarked 3 ensemble models after reviewing 20+ papers, selecting optimal architectures for accident prediction
  - Designing Machine Learning pipeline to classify accident severity from IoT sensor data, targeting 80%+ accuracy
  - Implementing 5-fold cross-validation with ANOVA feature selection to optimize model performance