

POUYA ALAVI NAEINI

Final-Year IT Student | Full-Stack Developer

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PROFESSIONAL SUMMARY

Final-year Bachelor of IT student at Macquarie University (graduating November 2026) specialising in AI and Web/App Development. Builder of Syllabus Sync, a full-stack platform designed to help Macquarie University students manage academic planning, deadlines, and campus navigation. Combines hands-on experience in Next.js, React, TypeScript, and Supabase with strong CS fundamentals and customer-facing communication skills.

SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks & Libraries: React, Next.js, Tailwind CSS

Backend & Databases: Supabase, Node.js, REST APIs, PostgreSQL

DevOps & Tools: Git, GitHub Actions, Vercel, Postman, WordPress

Testing & QA: Vitest, Playwright (E2E & Accessibility), Test-Driven Development

CS Fundamentals: Data Structures & Algorithms, OOP, Software Design

Workflow & Collaboration: Project Coordination, Agile/Scrum, Monday.com

Soft Skills: Customer Communication, Adaptability, Teamwork, Problem-Solving, Attention to Detail

PROJECTS

Syllabus Sync — Student Productivity Platform

December 2025 – Present

Next.js 16, React 19, TypeScript, Tailwind CSS, Supabase, Vitest

GitHub: github.com/mrpouyaalavi/syllabus-sync | Demo: syllabus-sync-ashy.vercel.app

- Built a full-stack platform to help Macquarie University students manage academic planning, deadlines, and campus navigation in one place.
- Developed features including academic planning tools, campus navigation, multilingual support (with RTL layout), and responsive mobile-first design.
- Implemented secure authentication with TOTP-based MFA, row-level security, rate limiting, and comprehensive test coverage to strengthen reliability and user security.
- Added accessibility and internationalisation improvements to align the platform with WCAG principles and inclusive design practices.
- Deployed via GitHub Actions and Vercel with CI/CD pipelines, integrating testing, security, and deployment practices across the full project lifecycle.

CIFAR-10 Image Classification — Deep Learning Pipeline

March 2026 – Present

Python, PyTorch, scikit-learn, Streamlit, Jupyter, Grad-CAM

GitHub: github.com/mrpouyaalavi/CIFAR-10-Image-Classification

- Designed and implemented an end-to-end image classification pipeline to evaluate five deep learning architectures on the CIFAR-10 dataset.
- Compared training-from-scratch and transfer learning approaches under controlled conditions, with MobileNetV2 reaching 85.53% test accuracy and outperforming a custom CNN by nearly 30 percentage points.
- Applied modern training techniques, including data augmentation, cosine annealing learning rate scheduling, and progressive unfreezing, to improve convergence and generalisation.
- Extended the project with Grad-CAM interpretability, INT8 quantisation, command-line inference tools, and a Streamlit interface to support analysis and deployment.

TECHNICAL EXPERIENCE

IT Support | SBR Group

October 2023 – December 2024

- Designed and maintained a WordPress business website, improving mobile responsiveness and achieving faster page load times through performance and SEO optimisation.
- Supported internal systems and workflow automation using Monday.com, improving team coordination and reducing manual overhead.
- Diagnosed and resolved recurring technical issues across the website and internal systems to minimise disruption to daily operations.
- Collaborated with stakeholders to gather requirements, update content, and ensure the company's digital presence aligned with business needs.

CUSTOMER EXPERIENCE

Sales Co-Worker | IKEA

May 2025 – Present

- Provide personalised product recommendations by understanding customer needs and room requirements.
- Collaborate with sales, logistics, and warehouse teams to resolve customer queries and support smooth in-store and fulfilment processes.
- Maintain product displays and support stock availability during busy trading periods.

Sales Assistant | Zara

December 2024 – May 2025

- Delivered customer service in a fast-paced retail environment, processing high-volume transactions accurately during peak trading periods.
- Resolved customer concerns with professionalism and empathy to maintain a positive shopping experience.

EDUCATION

Bachelor of Information Technology (AI & Web and App Development) July 2023 – November 2026

Macquarie University

- Relevant coursework: Data Structures, Algorithms, Database Systems, Web Development, Software Engineering, and AI Fundamentals.
- Active volunteer in the Macquarie University Buddy Program, mentoring new students and supporting their transition to university life.

Certificate IV in Information Technology (Programming)

July 2022 – July 2023

TAFE NSW

- Built hands-on skills in HTML, CSS, PHP, JavaScript, and MySQL through practical development projects, including WordPress sites with SEO and hosting configuration.