

# GADING TAHTA WIDI

Software Engineering Student | Frontend & Mobile Development  
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## PROFILE

Software Engineering student at Universiti Malaya seeking industrial training in frontend, mobile, or software engineering roles. Experienced in building React Native, React, and Next.js applications using TypeScript, JavaScript, Java, Git/GitHub, and Supabase. Currently developing CourseFlow, a student academic workflow manager for coursework, group projects, deadlines, and reminders. Focused on building practical user-facing applications with clean user flows, structured interfaces, and real student use cases.

## EDUCATION

### Universiti Malaya — Bachelor of Computer Science / Software Engineering

Kuala Lumpur, Malaysia | Expected Graduation: October 2028 | Industrial Training Availability: August 2026 – January 2027

- Relevant coursework: Software Requirements Engineering, Data Structures & Algorithms, Operating Systems, Network Technology Foundation, Machine Learning, IoT, Java Programming.

## PROJECTS

### CourseFlow — Student Academic Workflow Manager

Next.js, TypeScript, Tailwind CSS, Supabase, Telegram Bot Integration

- Developed a full-stack academic workflow web app with 7+ core modules, including personal tasks, shared projects, dashboard priority view, Kanban board, calendar view, course filtering, archive/history, and project progress tracking.
- Built shared project workflows with role-based access for leaders, editors, and viewers, supporting task creation, progress updates, project status tracking, and collaboration-focused task visibility.
- Designed a risk-based task prioritization system using due date proximity, overdue status, task progress, and difficulty level to surface critical academic work on the dashboard.
- Integrated Telegram bot workflows for checking urgent tasks, upcoming deadlines, closest deadlines, and active projects through chat-based commands and scheduled reminders.

### BudgetBite — Mobile Budgeting & Adaptive Meal Planning App

React Native, Expo, TypeScript, Supabase, React Navigation

- Developed a 17-screen mobile application for student budgeting and meal planning, covering onboarding, budget setup, dashboard, pantry, transaction history, insights, meal generation, grocery list, receipt logging, and settings.
- Implemented a structured navigation architecture using React Navigation with separate onboarding, main tab, and feature-specific flows to support scalable mobile app routing.
- Designed the product logic around adaptive daily meal planning based on budget, pantry items, grocery spending, and daily food decisions instead of generic meal recommendation flows.
- Built student-focused budgeting workflows for tracking food spending, planning daily meal decisions, and connecting grocery usage with budget awareness.

### Satori Rattan Furniture Website

React, React Router, Tailwind CSS, UI/UX Design

- Developed a responsive multi-page B2B website for a rattan furniture manufacturer, structuring 7 main pages: Home, Projects, Collections, Bespoke, Craftsmanship, About, and Contact.
- Implemented client-side routing with React Router and reusable layout sections for product showcases, brand storytelling, project highlights, and conversion-focused calls to action.
- Designed business-facing page layouts targeting wholesale buyers, project clients, and regional partners, with emphasis on visual hierarchy, credibility, and clear inquiry flow.
- Built the website as a professional company profile and product discovery platform instead of a generic static landing page.

## TECHNICAL SKILLS

**Languages:** Java, Python, TypeScript, JavaScript, SQL

**Frontend & Mobile:** React Native, Expo, React, React Navigation, Tailwind CSS, Responsive UI

**Backend & Database:** Supabase, basic REST API usage, SQL fundamentals

**Tools:** Git, GitHub, VS Code, Postman, Figma

**Software Engineering:** OOP, data structures, sorting/searching, requirements engineering, use case modeling

**Networking & IoT:** Cisco Packet Tracer, IPv4/IPv6, VLAN, DHCP, static routing, Arduino basics

## ADDITIONAL EXPERIENCE & STRENGTHS

- Comfortable working in student software teams, dividing modules, reviewing requirements, and preparing presentation-ready documentation.
- Built Java coursework involving file handling, ArrayList usage, insertion sort, binary search, recursion, and basic data management logic.
- Able to explain technical decisions clearly in reports and presentations, especially when connecting implementation choices to user needs.