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EDUCATION

Universiti Sains Malaysia | Gelugor, Penang

Expected Graduation: Sept. 2026

Bachelor of Computer Science (Honours) in Intelligent Computing

Relevant Courses: Algorithms & Data Structures, Machine Learning and Deep Learning, Data Analytics Programming, Software Engineering, Database Design, Operating Systems, Parallel & Distributed Computing

TECHNICAL SKILLS

Languages: C#, JavaScript, TypeScript, Dart, Python, Java, C++, SQL, HTML, CSS, PHP

Technologies & Frameworks: ASP.NET MVC, Flutter, Next.js, React.js, Node.js, REST APIs, Google ML Kit, SQLite, SQL Server, MongoDB, PostgreSQL, Firebase, Tensorflow, PyTorch

Tools: Git, GitHub, Visual Studio, Android Studio, SQL Server Management Studio, Postman, RapidMiner, Hadoop, WSL, Google Cloud Platform, Vercel, Netlify, Figma, Tableau

EXPERIENCE

Inari Amertron Berhad | Software Engineer Intern | Bayan Lepas, Penang

Mar. 2025 - Oct. 2025

- Developed and maintained ASP.NET MVC modules for an Environmental Health & Safety portal using C#, MSSQL Server, JavaScript, HTML, and CSS.
- Consolidated 3 EHS tracking modules: Employee Competency, Environmental Monitoring, and Fire Extinguisher Tracking into a unified internal system.
- Designed and tested SQL Server database structures to support live operational data and improve maintainability across EHS workflows.
- Collaborated with IT, database administrators, and network teams to resolve deployment constraints, debug system issues, and support user acceptance testing.

TeenFix Studio | Phone Technician | Teluk Kumbar, Penang

Aug. 2023 - Nov. 2023

- Diagnosed and repaired smartphone and tablet hardware/software issues under time-sensitive service conditions.
- Managed repair parts, tools, and customer troubleshooting guidance to improve service efficiency.


PROJECTS

[ZenPose: Real-Time Yoga Pose Evaluation](#)  | Final Year Project | Flutter Dart, MediaPipe, Python

- Built a mobile computer vision prototype that analyzes yoga poses using human pose landmarks.
- Designed pose comparison logic using landmark normalization, joint-angle rules, and similarity scoring.
- Developed feedback and progress-tracking modules to support guided form correction for users.

[Where's My Water? USM: Campus Water Refill Locator](#)  | Collaborative Project | Next.js, TypeScript, Leaflet

- Collaborated with USM Student Representative Council to build a campus water refill locator for students.
- Collected dispenser data across USM Main Campus, including locations, availability, maintenance status, and images.
- Contributed to interactive map features with geolocation, nearest-dispenser detection, and dispenser markers.

[Bobo Game of The Year Award Voting](#)  | Community Project | Next.js, PostgreSQL, Tailwind CSS

- Built a full-stack voting platform with authentication, secure API routes, protected voting flows, and live results pages.
- Designed database schema, RLS policies, and SQL functions to protect ballots and optimize vote aggregation.
- Implemented end-to-end voting flows with server-side validation, loading states, and responsive UI components.

[Resepi KhairulAming](#)  | Personal Project | Next.js, TypeScript, Python, Supabase, Gemini, Whisper

- Created an automated scraping and AI extraction pipeline to collect cooking video content, transcribe audio with Whisper, parse recipes with Gemini, and store structured recipe data in Supabase.
- Built a searchable recipe web app featuring KhairulAming recipes, responsive UI, and embedded TikTok cooking videos.