ASHWIN KULLANTHAIVEL
COMPUTER SCIENCE GRADUATE

CONTACT

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</> Portfolio/github

EDUCATION

Universiti Tunku Abdul Rahman

Bachelor of Computer Science (Hons)

(Oct 2021 – June 2025)

➢ CGPA: 2.7636

SKILLS

Programming Languages

➢ PHP ➢ Python
➢ C++ ➢ Java
➢ HTML, CSS, JavaScript

Technical Skills

➢ Web Development
➢ Database Management
➢ Mobile App Development
➢ AI Model Training

Soft Skills

➢ Leadership
➢ Problem solving
➢ Team player
➢ Adaptability

REFERENCE

➢ Prof Dr. Leung Kar Hang
(FYP Supervisor)
leungkh@utar.edu.my

LANGUAGES

➢ English ➤➤➤
➢ Malay ➤➤
➢ Tamil ➤

SUMMARY

Fresh graduate from UTAR with a strong foundation in software development, system architecture, and problem solving. Successfully completed an internship at Bitcode Technology as a junior software engineer, contributing to secure backend systems, responsive user interfaces, API integrations and two-factor authentication Proficient in PHP, Python and SQL with hands-on experience in MVC frameworks, UI designing, and API integration. Certified in Microsoft & Nvidia, with proven leadership experience organizing tech workshops and managing cross-functional teams. Open to **Software Engineer** opportunities to build scalable and efficient software solutions in a collaborative environment. **Available immediately**.

EXPERIENCE

Intern - Bitcode Technology Sdn Bhd   **(Oct 2024 - Jan 2025)**

➢ **Full Stack Development**: Contributed to both frontend and backend development systems using HTML, CSS, JavaScript and Laravel (MVC framework) with SQL-based data handling and integration.

➢ **Secure Backend Engineering**: Implemented 2FA, managed user authentication flows, and integrated Twilio APIs using Laravel.

➢ **API & Systems Integration**: Coded and debugged RESTful APIs for real-time data interactions between services, improving performance.

➢ **UI Optimization**: Redesigned admin dashboard interfaces, applying color theory principles and made custom Raspberry Pi kiosk interfaces.

PROJECTS

Sign Detection System for Blind Students - FYP

➢ Designed and developed a system using OCR and TTS to help visually impaired students identify lecturer rooms. Achieved 95% sign detection accuracy & 72% text detection under varied lighting conditions..

➢ Utilized yolo-model training & OpenCV for sign detection, EasyOCR for text extraction to create a model working under varied lighting conditions.

Movie Review Webpage – Web App Development

➢ Developed a dynamic and role-based web application for admins and users using PHP, SQL databases, and server-side scripting.

Math Fun App – Mobile App Development

➢ Built an educational app for kids and mastered core mobile development skills including UI design, activity navigation, user feedback through sound and visuals, and logic-based user interaction using Android Studio.

Product Recommendation System – AI Techniques

➢ Gained strong a foundation of machine learning workflows, covering regression, classification, clustering learning techniques using Python.

LEADERSHIP & INVOLVEMENT

Computer Science Society – Event Coordinator

➢ Organized and led a tech workshop on AI and ML for 150+ participants, managing a volunteer team ensuring smooth and an educational impact.

Health Lives Matter Campaign – Chairperson

➢ Led the campaign by managing a volunteer team, coordinating across multiple departments, securing sponsorships, and ensuring decent progress through regular follow-ups and weekly meetings, resulting in a successful event.

CERTIFICATES

Professional Soft Skills Learning Pathway --- Microsoft

Career Essentials in Software Development --------------------------------------- LinkedIn

Building RAG Agents with LLMs -- Nvidia