

Ashwin Kullanthaivel

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CAREER OBJECTIVE

Fresh graduate from UTAR with a strong foundation in software development, system architecture, and problem solving. Successfully completed 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. Skilled in data analysis using Excel, Power BI, and SQL to extract insights and support decision-making. Certified in Microsoft & LinkedIn, with proven leadership experience organizing tech workshops and managing cross-functional teams. Available immediately.

EDUCATION

Foundation Certificate in UX Design

K-Youth Development Programme, TalentLabs

Sept 2024 - Present

Bachelor of Computer Science (Hons)

University Tunku Abdul Rahman

Oct 2021 – June 2025

EXPERIENCE

Data Analyst Trainee

Access Group

Sept 2024 - Present

- Validated and reconciled HR data fields using Databricks queries and assisted in monthly reporting by extracting and updating engagement KPIs.
- Reviewed reporting workflows, identifying risks and opportunities for automation applying Python and SQL in Databricks to streamline manual data handling tasks.

Software Developer Intern

Bitcode Technology

Oct 2024 – Jan 2025

- Contributed to frontend and backend development using HTML, CSS, JavaScript and Laravel (MVC framework) with SQL-based data handling.
- Implemented Google's 2FA, managed user authentication flows, and integrated Twilio APIs in Laravel.
- Developed and debugged RESTful APIs for real-time data interaction, improving system performance.
- Redesigned admin dashboard interfaces applying colour theory and built custom Raspberry Pi kiosk interfaces.

PROJECTS

Sign Detection System for Blind Students (FYP)

- Designed OCR + TTS system to help visually impaired students identify lecturer rooms.
- Achieved 95% sign detection accuracy and 72% text detection under varied lighting.
- Used YOLO model training, OpenCV, and EasyOCR.

Movie Review Webpage (Web App Development)

- Built a role-based app with PHP, SQL, and server-side scripting for secure access.
- Implemented CRUD operations and real-time updates.

Math Fun App (Mobile App Development)

- Created an educational app in Android Studio with UI design, sound/visual feedback, and interactive logic-based activities.

Product Recommendation System (AI Techniques)

- Applied machine learning workflows covering regression, classification, and clustering using Python.

CERTIFICATION

Career Essentials in Software Development

Microsoft

- Learned software development lifecycle, version control (Git), and problem-solving through coding challenges.

Career Essentials in Data Analysis

Microsoft

- Gained exposure and experience in cleaning, analyzing, and visualizing data using SQL and visualization tools.

Data Fundamentals

IBM

- Gained a solid foundation in databases, SQL queries, and data visualization for analytics projects.

Professional Soft Skills Learning Pathway

LinkedIn

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- Strengthened communication, collaboration, & influence skills to foster trust and drive effective teamwork.

Complete Guide to Power BI for Data Analysts

LinkedIn

- Gained practical experience in building dashboards and creating impactful visualizations using Power BI.

UX Design Fundamentals

UX Design Institute

- Learned the key basics of UX design, including research, prototyping, and creating user-centered designs.

LEADERSHIP & INVOLVEMENT

Event Coordinator – Computer Science Society

- Organized & led a AI/ML workshop for 150+ participants, managing volunteers, ensuring smooth execution.

Chairperson – Health Lives Matter Campaign

- Coordinated across departments, secured sponsorships, led weekly progress meetings, and made sure everyone stayed on track while keeping a friendly and professional environment for a successful campaign.

ADDITIONAL INFORMATION

Programming Languages: PHP, Python, C++, Java, HTML, CSS, JavaScript

Technical Skills: Visual Studio Code, Github, Figma, Laravel, OpenCV, Raspberry PI, Android Studio, Power BI, Tableau, Python, SQL, DAX, Google Analytics, Databricks

Soft Skills: Leadership, Problem Solving, Team Player, Adaptability

Languages: English, Tamil, Bahasa Melayu

Interests: Software/Web Development, Data Analytics