

HANNAN BALQIS

<https://nanqis.github.io/>

013-759 5450 13081k2@gmail.com Puchong, Selangor 14 December 2000



EDUCATION

Bachelor's Degree in Software Engineering

Universiti Malaysia Pahang

2019-2023 [View Certificate](#)

Foundation in Engineering

Pusat Asasi UiTM, Dengkil

2018-2019

Sijil Pelajaran Malaysia (SPM: 8A)

MRSM KEPALA BATAS

2013 - 2017 [View Certificate](#)

EXPERIENCE



Current Role (since Feb '25)

: Software Developer
Protégé (MyStep)

Organisation

: **Government** (Prime Minister's Department)

Project

: **MyKhas** - Malaysian Government
Financial System

Internship

(Mac '23 - Aug '23)

: Software Developer

Part Time Job

: Coding Private Tutor

PROJECTS



Protégé experience (PHP Laravel)

- Automated email blasts and structured PDF generation for reports.
- Developed QR codes with dynamic API-driven redirects using JWT tokens.
- Scheduled auto-status updates to resolve system issues proactively.
- Built a process-flow module for Malaysia's PM budget system.
- Handled 100+ user roles, 10+ modules in a high-complexity environment.
- Debugged issues (Log/dd), optimized CRUD ops, and SQL (MySQL).

Ai-related Projects

Ai-Powered Education System (Chatbot)

- A system used by the teacher to assess the students' understanding in academic
- The students' answers are validated by Ai and the solutions are generated by Ai
- Python, MySQL

Ai-Powered UI Validation Tool (Computer Vision & HCI) [View on GitHub](#)

- Compared live web UI and Figma designs using SSIM, OCR, LPIPS, color histograms
- Built with Flask, OpenCV, Tesseract, Selenium, Figma API
- Provided similarity scores, visual diffs, and feedback for UI alignment

Blood Donation Prediction (ML Model) [View on GitHub](#)

- Developed regression model using MultipleOutputRegressor with RF, SVR, etc.
- Performed outlier capping, feature engineering, and model evaluation (RMSE, MAE, R²)
- Deployed with Flask and Pickle for web-based predictions

RAG Chatbot (Intelligent Document QnA & Search) [View on GitHub](#)

- Used LangChain, HuggingFace, ChromaDB, PyMuPDF, Together AI API
- Extracted and embedded PDF/text/image content; queried via vector similarity
- Built Streamlit UI for document-level QnA and knowledge search



TOOLS AND TECHNOLOGIES

Programming Languages: Python, PHP, JavaScript, HTML, CSS, SQL

Cloud & DevOps: AWS (Lambda, Serverless, AI/ML services), CI/CD pipelines (GitLab/GitHub)

Web Frameworks: Flask, Laravel

Databases: MySQL, ChromaDB, DynamoDB

Tools & Libraries:

- ML/DL:** Scikit-Learn, TensorFlow, PyTorch, Keras
- NLP/CV:** NLTK, spaCy, OpenCV, Tesseract OCR
- Data/LLMs:** Pandas, NumPy, LangChain, RAG, AWS Bedrock
- IDEs:** VS Code, Jupyter
- Environments:** Laragon, XAMPP

CERTIFICATIONS



- Gen Ai CIMB AWS Hackathon** | April 2025
- Deriv Ai Hackathon** | February 2025 | [cert](#)
- Top Coders Coding Challenge** | October 2024 | [cert](#)
- ICTC - Professional Certification in Machine Learning** | July 2024 - Oct 2024 | [cert](#)
- MOOC for programming techniques** | Jan'20-Feb'20 | [cert](#)

REFERENCE



Jegan Thayanithy
IEG Campus | Trainer

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LANGUAGES



English

Fluent,
MUET 2018,
Band 4

Malay

Native