HALEEM AKMAL
Associate Software Engineer

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EDUCATION

HND in Software Engineering
British College of Applied Studies   2024-2026

Diploma in ICT AND ENGLISH
IDM Nations Campus   2023 - 2024

GCE A/L
muslim madhya maha vidyalaya, sammanthural   2020 - 2022

Tertiary Education through Career Guidance
National Institute of Education   2023 - 2023

GCE o/L
Dharussalam Maha Vidyala, sammanthural   2019 - 2020

TECHNICAL SKILLS

- Programming Languages:
  Python, PHP, Html , CSS , Java , c+
- Machine Learning & AI:
  Scikit-learn, TensorFlow
- Data Analysis & Visualization:
  Power BI, Pandas
- Networking & Security:
  Cisco Packet Tracer
- Tools & Platforms:
  Azure AI, PostHog , 10FastFingers

LANGUAGE

Tamil

English

About Me

Aspiring and detail-oriented Software Engineer with practical experience in AI-driven systems, network security analysis, and software development projects. Skilled in developing efficient machine learning models, implementing data-driven solutions, and managing software projects using abstract data structures. Strong foundation in ICT, software engineering, and problem-solving with hands-on project experience in both academic and practical settings.

PROJECTS WORK EXPERIENCE

Jul 2025 – jan 2026

CRP Project: Efficient Models for Detecting DDoS Attacks

- Developed machine learning models (Random Forest, Logistic Regression, Neural Networks) to detect volumetric attacks.
- Processed network traffic datasets (2023 CICDDoS) and extracted key traffic features.
- Created evaluation dashboards for metrics visualization (accuracy, precision, recall, F1-score).

Jan 2025 - may 2025

AI Verified Order Placement System

- implemented AI-based order verification and fraud detection using PHP and Scikit-learn.
- Integrated PostHog for activity tracking and Azure AI for decision-making support.

Aug 2025 - Nov2025

Playlist Manager (ADT Project)

- Built a music playlist management system using abstract data types (Stack, Linked List, Queue).
- Features: Playlist creation, song management (add, remove, rearrange), sequential/shuffle playback.

Aug 2025 - Nov2025

IoT Project: Smart Drainage & Flood Monitoring System

- Designed Arduino-based mini house and bridge system for water level monitoring.
- Developed alert mechanisms to block/unblock water flow based on sensor readings

JAN 2025 - Nov2025

WDD Project: ACE Hardware Store

- Developed a web-based project demonstrating basic software development skills.
- Applied fundamental concepts of programming, design, and user interface development.