



Amirul Imran Bin Ahmad Azam

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EDUCATION

- **Tunku Abdul Rahman University College** Kuala Lumpur, Malaysia
Bachelor of Computer Science (Honours) in Software Engineering; CGPA: 2.7075 Oct 2019 – Oct 2022
Diploma in MicroElectronic Engineering; CGPA: 3.0300 Jun 2015 – Sep 2017
 - **Skills Acquired:** C++, C#, Python, ASP.NET, SQL, HTML/CSS/Javascript
 - **Languages:** Proficient in written/spoken English and Malay

EXPERIENCE

- **Wilhelmsen Sdn Bhd** 1 Sentral, Brickfields
Web developer and I.T Intern May 2022 – Nov 22
 - **Web Applications:** Participate in building system implementation project for Vessel inventory database web app using .NET Framework
 - **IT Support:** Support on Business-Critical Application onboard vessels using remote control
 - **Technician:** Setup and configure computer, servers, network device and Business Applications before sent to onboard vessels
- **HPMM (M) SDN BHD** Batu Kawan, Penang
Engineering Technician May 2018 – May 2019
 - **Cleanroom protocol:** Working in 1K and 10K cleanroom environment
 - **MEMS process:** Working in the plating process of MEMS device production
 - **Troubleshooting MEMS(Micro-Electro-Mechanical-Systems) machine:** Troubleshoot machines and repair machine parts(robots, electronic, computer, electrical, mechanical and hydraulic system)
- **HP-FETMEMS (Field-Ielectric-Transistor Micro-Electro-Mechanical-Systems)** Kulim, Kedah
Job Training Oct 2017 – May 2018
 - **Machine Technician Training:** Undertsand Theory and practical side of Embedde Systems, Industry 4.0, Semiconductor devices, MEMS process, cleanroom protocol and etc
 - **Internet-Of-Things:** Building an IoT device by using Arduino that can read sensor data through Wireless device

PROJECTS

- **Research on Predictive Maintenance for Industrial machine** Predictive Maintenance
Keras, PyTorch, Python Feb 2022 – Apr 2023
 - **Model Training:** Datasets from three different application: Aircraft engine, milling machine, hydraulic system are tarined by using LSTM technique
 - **Algorithm Implementation:** Data are being ingest and preprocessing before modeling and the train in LSTM Network
 - **Research Methodology:** Systematic Literature Review methodology to find accurate and reliable reserach papers on this domain
- **AI- Chatbot for medical advice and suggestion** Natural Language Processing
Keras lib, PyTorch, Python, Google Colab Sep 2021 – Oct 2021
 - **Research and Implementation:** Read through 20+ journal papers and applied abstractive summarisation algorithms
 - **Experiment Design:** Designed an experiment, curated relevant dataset, tested algorithms and produced a comparison report that eventually received 98/100 marks

- **Vessels Inventory Database Application**

C#, .NET Framework, Bootstrap CSS, HTML/CSS/Javascript

Web Development

Intern: July 2022 – Nov 2022

- **Frontend Development:** Created 5+ pages using self-learned Bootstrap CSS
- **Backend Development:** Added intra-page and inter-page functionalities using C#
- **Database Design:** Designed, documented and implemented SQL Server schema

ACADEMIA

- Ling, L., Amirul Imran Ahmad Azam, Ramanathan Palaniappan, & Tin, T.T. (2021, November 25-27) *Artificial Intelligence Art: Attitudes and Perceptions Toward Human Versus Artificial Intelligence Artworks*. [Paper presentation]. ICHESMET 2021.

Courses

- **Main Courses:** Web Design and Development, Database Management, Object Oriented Programming, Data Structure and Algorithm, Artificial Intelligence, Distributed System and Parallel Computing, Computer Networking, System Analysis and Design, Software Engineering, Software Requirement Engineering, Software Design and Architecture, Software Quality Assurance and Testing, Software Evolution and Maintenance, Software Project Management
- **Elective Course:** Web Application Development, Cloud computing, Computer Security