


ARULKUMARAN A/L GUNASEKHARAN

Full-Stack Developer | Data Scientist | Machine Learning Engineer

 arulkumaran0108@gmail.com

 <https://github.com/AK1198>

 <https://www.linkedin.com/in/arulkumarandatasience/>

 +60 1136524231



PERSONAL SUMMARY

As a dedicated and self-taught Software Engineer, I possess a deep passion for Data Science and Machine Learning. My experience includes hands-on roles in Full-Stack Development, where I've adeptly handled client requirements, enhanced user interfaces, and maintained project integrity through meticulous bug fixes and documentation. I excel in leveraging emerging technologies to drive innovation and efficiency. With a solid foundation in Data Science cultivated during my internship, I continuously pursue personal projects showcased on my GitHub. I am committed to delivering impactful solutions and contributing positively to any team or project I undertake.

TECHNICAL SKILLS

- Frontend** : HTML, CSS, JavaScript, Typescript, React, Tailwind, PyQt
- Backend** : Django, Flask, Python, NodeJS, ExpressJS
- Database** : Postgres, MongoDB, SQL
- Deployment** : AWS(EC2)
- Data Science** : Python, Scikit-learn, Matplotlib, Pandas, Numpy, TensorFlow, OpenCv, YOLOv4
- Others** : Git, Jira, Scrum, Docker, Ubuntu

PERSONAL PROJECTS

- Time Series Analysis using ARIMA model
 - Building forecast model using ARIMA to predict sales trend in future
- Loan Payback Prediction using Keras API
 - Implemented a machine learning model to predict the likelihood of loan repayment using Keras API

PROFESSIONAL CERTIFICATIONS

- The Python Masterclass: Python from Scratch [Link](#)
- Intro to Machine Learning [Link](#)
- Google Data Analytics (Foundations: Data, Data, Everywhere) [Link](#)

PROFESSIONAL EXPERIENCE

FULL-STACK DEVELOPER(FULL-TIME)

Insaix Innovation Sdn Bhd, Johor

Jan 2023-Present

- Develop new features and pages in response to client requirements or project specifications
- Enhance user interface, ensuring a visually appealing design, and implementing UI components according to provided mockups
- Perform bug fixes and ad-hoc tasks
- Document code and processes
- Deploy and maintain website on AWS EC2
- Conduct proactive research on emerging technologies

SOFTWARE ENGINEER(FULL-TIME)

Fave, Bangsar

July 2022-Jan 2023

- Maintain Microservices projects
- Collaborate with team members for bug fixes
- Create JUNIT test

DATA SCIENTIST(INTERNSHIP)

Omnilytics, Kuala Lumpur

Mar 2022-July 2022

- Perform data analysis, focusing on identifying trends, and patterns
- Refactored existing codebase to eliminate redundancy leading to easier maintenance
- Documented codebase thoroughly

EXECUTIVE ENGINEER (FULL-TIME)

Hershey Malaysia Sdn.Bhd, Johor

August 2021-Mar 2022

ASSISTANT PROCESS ENGINEER (FULL-TIME)

Cape Ems Manufacturing Sdn.Bhd, Johor

October 2020-August 2021

EDUCATIONS&CREDENTIALS

Bachelor's Degree in Mechanical Engineering (Hons)

University Malaysia Pahang (UMP), Pahang, Malaysia.

September 2016- September 2020

- Dean's list Award 8th Sem (2019/2020)
GPA 4.00/4.00