

ARULKUMARAN A/L GUNASEKHARAN

Full-Stack Developer | Data Scientist | Machine Learning Engineer

 <https://portfolio-website-ak1198s-projects.vercel.app/>

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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

1. **Frontend** : HTML, CSS, JavaScript, Typescript, React, Tailwind, PyQt
2. **Backend** : Django, Flask, Python, NodeJS, ExpressJS
3. **Database** : Postgres, MongoDB, SQL
4. **Deployment** : AWS(EC2),Vercel
5. **Data Science** : Python, Scikit-learn, Matplotlib, Pandas, Numpy, TensorFlow, OpenCv,Yolov4
6. **Others** : Git, Jira, Scrum, Docker, Ubuntu



PERSONAL PROJECTS

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



PROFESSIONAL CERTIFICATIONS

1. The Python Masterclass: Python from Scratch [Link](#)
2. Intro to Machine Learning [Link](#)
3. 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
- Enhance user interface, ensuring a visually appealing design, and implementing UI components according to provided mockups
- Implemented YOLOv4 for a computer vision project, achieving high-precision object detection in real-time applications.
- Perform bug fixes and ad-hoc tasks
- Document code and processes
- Deploy and maintain website on AWS EC2

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