ARULKUMARAN A/L GUNASEKHARAN

Full-Stack Developer | Data Scientist | Machine Learning Engineer

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

https://www.linkedin.com/in/arulkumarandatascience/

https://github.com/AK1198/

+60 11-36524231

Kulai, Johor

arulkumaran0108@gmail.com

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, Node.js, 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. **Portfolio Website**
   - Used Next.js framework and deployed using Vercel platform
     https://portfolio-website-ak1198s-projects.vercel.app/
2. **Weather Forecast Website**
   - A website offering real-time weather insights
     https://weather-app-nextjs-git-main-ak1198s-projects.vercel.app/

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 (CONTRACT)
Insaix Innovation Sdn Bhd, Johor
Jan 2023-Mar2024
- Developed backend services and APIs using Node.js.
- Integrated Node.js with databases like MongoDB and Postgres.
- Develop features per client needs and enhance UI based on mockups
- 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