

NIZAR

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TECHNICAL SKILLS

ML Frameworks | Pytorch, Tensorflow, NLTK, GPT

Web Frameworks | Flask, Django, React, Javascript, CSS

Developer Tools | Docker, Git, npm, Jira, Jenkins, Kubernetes, GCP

EXPERIENCE & PROJECTS

Junior Data Scientist, MINDVALLEY

Jan 2022 - Dec 2022

Development and maintence of recommendation engines

Tensorflow | Docker | Kubernetes | Bigquery | Jenkins

- Optimized recommendation engine performance by **20%** by fixing redundancies in the ETL pipeline and deployed docker images on kubernetes cluster for testing.
- Led a social media analytics project using NLTK for tweet sentiment analysis, resulting in a demo dashboard deployed on Google App Engine within **1 week**.
- Developed a Data Studio dashboard to evaluate recommendation engine performance for over **1 million active users** for the analytics team

AI Intern, DOCTOR ON CALL

May 2021 - Nov 2021

Built detection models for medical applications

Python | Javascript | Firebase | Flask

- Collaborated with a team to develop a skin cancer detection model using YOLOv5 and built endpoint for REST api to call training data into jupyter script, **winning first place** at the UN competition
- Deployed an AI project that was able to measure heart rate through computer vision at **89% accuracy** onto Heroku.
- Automated download, extraction, and conversion of files for corporate, **reducing manpower by 75% (from 4 to 1)**

AI intern, IMAGINE AI

Jan 2021 - April 2021

Developed defect detection applications through computer vision

Pytorch | Python | OpenCV | Tkinter | Firebase | Jira

- Built an ensemble model for a glove manufacturing client using YOLOv5 detectors and EfficientNet classifiers.
- Led a team of 4 to develop a prototype of a contact lens inspection model using OpenCV libraries for image preprocessing and threshold contouring.
- I further was tasked with creating the GUI using Tkinter and presenting it to the client. Used an ensemble of YOLOv5 and Pytesseract-OCR to inspect bottle labels for a client.

RoastMe ([subroast.me](#))

2023 - present

Flask Web application that extracts facial embeddings to generate comments

JavaScript | Python | Facenet | MTCNN | GCP

- Deployed flask web application through CI/CD on Cloud Build with over **500 daily visits**
- Trained model on **145,000 facial embeddings** and over **0.5M comments** from subreddit r/RoastMe
- Extracted over 1 TB of data through Reddit Api (PRAW & Pushshift) through linux VM and automated pipelines through bash scripts

EDUCATION

Universiti Teknologi Malaysia,

2019 - 2023

Bachelors of Artificial Intelligence (**CGPA:3.94**)