Zibran Zarif Amio

🌐 zzarif.github.io 📞 +880-1611270392 ✉ zibran.zarif.amio@gmail.com ⌗ zzarif in zibran-zarif-amio

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EXPERIENCE

Full-stack Machine Learning Engineer
06/2023 – Present

ReplyMind AI Ltd. ⌕

- Developed ReplyMind, a Google **Chrome Extension** to grow social engagement on LinkedIn, Twitter and Product Hunt via **Generative AI** Technologies (GPT4, Claude3)
- Published the Extension on Chrome **Webstore** ⌕ and acquired **1K+** active users with **4.9/5** rating to date.
- Achieved two times **2nd** Product of the day ⌕ on Product Hunt and acquired **500+** paid users from **AppSumo** ⌕ campaign.
- Published ReplyMind keyboard on **Play Store** ⌕ and leading development of LLM-enabled applications.

Data Science Trainee
03/2024 – 07/2024

Master Course ⌕

- Developed strong foundation in **ML/DL** fundamentals, including CV & NLP, using PyTorch, Fastai, & HuggingFace.
- Executed end-to-end ML pipeline including data collection, augmentation, model training, data cleaning, deployment, and API integration.
- Completed multiple capstone projects, demonstrating practical application of data science skills.

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science & Engineering - CGPA 3.67/4.00
2019 - 2023

Islamic University of Technology - IUT, OIC

PROJECTS

Multilabel Scifi Tags Classifier ⌕   [GitHub] [Kaggle] [Live]

- Developed a multi-label text classification model to classify **160** tags from scifi & fantasy questions.
- Achieved F1 score (micro) of **74.5%** by fine-tuning HuggingFace transformers, while compressing model size by **75%**
- Data was scraped using **selenium**, transformed using **pandas** and published to **kaggle** for public use.
- The model was deployed to HuggingFace spaces and a **flask** webapp was deployed to **vercel**.
- **Technologies:** Python, Selenium, Stack API, HuggingFace, Transformers, Fastai, Blurr, ONNX, Flask, Gradio, Vercel

Pasta Shape Recognizer ⌕   [GitHub] [Live]

- Developed an image recognizer that can classify **20** different types of pasta shapes.
- Achieved **85.6%** accuracy by fine-tuning **5** PyTorch image models (timm)
- The model was deployed to HuggingFace Spaces and integrated with a GitHub Pages website.
- **Technologies:** Python, PyTorch, Fastai, ResNet34, HuggingFace, GitHub Pages, CUDA

Industry Market Cap Analysis ⌕   [GitHub] [Kaggle] [Live]

- Created financial analysis dashboards with **Tableau** comparing **1500** companies across **8** industries.
- Interactive plots were used to reveal leading industries in terms of market capital, profitability, employee productivity, etc.
- Data was scraped using **selenium**, transformed using **pandas** and published to **Kaggle** for public use.
- **Technologies:** Python, Selenium, Pandas, Tableau, Plotly, Kaggle, Git

More projects on ⌗ Github ⌕

SKILLS

Programming / Frameworks:

Python, Selenium, HuggingFace, Transformers, Fastai, Blurr, ONNX, Flask, Gradio, Git, Render, Vercel, PyTorch, Tableau, FERN (Firebase, Express, React, Node), HTML & CSS, GenAI (GPT4, Claude3, Llama3)

Tools / Tech:

Visual Studio Code, Google Colab, Kaggle, Postman, Tableau, PowerBI, Android Studio, Intellij, Codeblocks