

# ZIBRAN ZARIF AMIO

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## 📁 Professional Experience

**Full-stack Machine Learning Engineer**, ReplyMind AI Ltd. [↗](#) 06/2023 – Present

- Developed ReplyMind, a **Google Chrome Extension** to grow social engagement on LinkedIn, Twitter and Product Hunt via **Generative AI** Technologies (e.g. GPT4, Claude3, Llama3)
- Leading **Full-stack** ML team to develop and deploy LLM-enabled applications
- 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 & got featured on **AppSumo** campaign [↗](#)
- Acquired **500+** paid users over the course of ten months
- Released ReplyMind mobile app & keyboard on **Play Store** [↗](#) with **100+** downloads to date.

**Data Science Trainee**, Master Course [↗](#) 03/2024 – 07/2024

- Executed end-to-end ML pipeline, including data collection, ETL, analysis, & visualization using Python, Pandas, NumPy, & Tableau
- Developed proficiency in ML / DL techniques, including CV & NLP, using PyTorch, Fastai, & HuggingFace, with experience in experiment management & model deployment
- Completed multiple capstone projects, demonstrating practical application of data science skills from web scraping & data manipulation to building & deploying advanced DL models

**Android Developer**, BYDO Academy [↗](#) 09/2020 – 12/2022

- Contributed to **BYDO Academy** (a virtual learning school) and **Uposorgo** (real-time doctor consultation & healthcare service)
- Both the Android apps were published in **Play Store** and currently have **1K+** downloads and **4.5+** rating each

## 🎓 Education

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

Islamic University of Technology - IUT, OIC

## 🔗 Projects

**StackExchange Scifi Tags Classifier** [↗](#) [GitHub] [Live]

- Developed a multi-label text classification model to categorize science fiction & fantasy questions into 160 different tags from StackExchange.
- Implemented end-to-end machine learning pipeline including data collection, preprocessing, model training, & deployment.
- Achieved **99%+** accuracy (partial) utilizing fine-tuned transformer models, reducing model size by **75%** while maintaining a micro F1 score of **0.745**.
- **Technologies:** Python, Selenium, Stack API, HuggingFace, Transformers, Fastai, Blurr, ONNX, Flask, Gradio, Vercel

**Pasta Shape Recognizer** [↗](#) [GitHub] [Live]

- Developed an image classification model to identify 20 different types of pasta shapes with **85.6%** accuracy.
- Implemented a complete machine learning pipeline including data collection, augmentation, model training, data cleaning, deployment, and API integration.
- Created a user-friendly interface for the model using HuggingFace Spaces and integrated it with a GitHub Pages website.
- **Technologies:** Python, PyTorch, Fastai, ResNet34, HuggingFace, GitHub Pages, CUDA

**Industry Market Cap Analysis** [↗](#) [GitHub] [Live]

- Developed a comprehensive financial analysis dashboard comparing 1500 companies across 8 industries scraping data from [companiesmarketcap.com](https://companiesmarketcap.com)
- Created visualizations for market cap, revenue, earnings, employee productivity, geographic distribution, & financial health
- Implemented data scraping, transformation, & visualization to provide insights on industry performance and company comparisons
- **Technologies:** Python, Multiprocessing, Selenium, Tableau, 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