

bill@portfolio: ~

\$ name

# Bill Grandy Tunjung

\$ role

ML/AI · Data Scientist · Published IEEE Researcher

\$ status

● available for 2026 roles

[billgrandytunjung@gmail.com](mailto:billgrandytunjung@gmail.com)

[linkedin.com/in/bill-tunjung](https://www.linkedin.com/in/bill-tunjung)

[github.com/Gilliooo](https://github.com/Gilliooo)

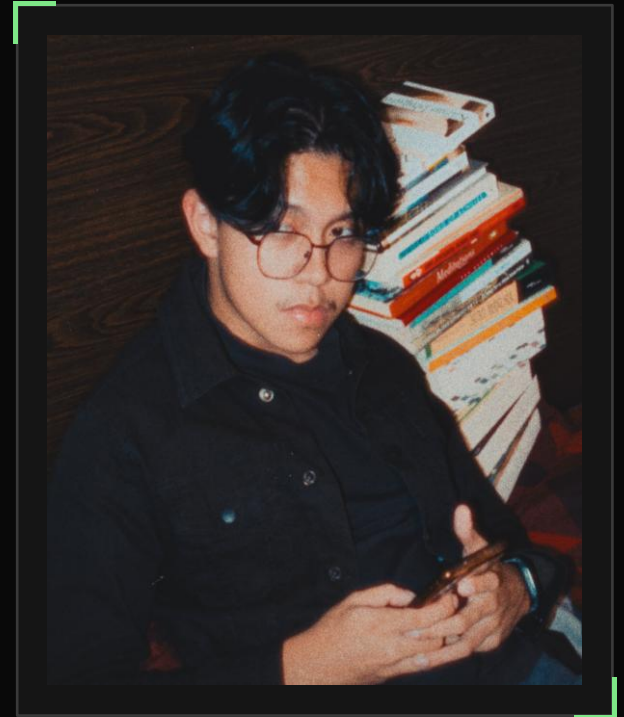
# ./about\_me

## // background

Published IEEE researcher and Computer Science student at Bina Nusantara University, on exchange at Hanyang University in South Korea until June 2026. I build machine learning pipelines that turn unstructured data into actionable insights – across NLP, data mining, and computer vision. My work spans handwriting recognition, professional-profile classification, and IoT hardware, contributing end to end from ideation to deployment and publication.

## // focus

- › Machine Learning & Deep Learning
- › Natural Language Processing
- › Computer Vision & Data Mining
- › Data Analysis & Visualization



**3.77**

GPA / 4.00

**IEEE**

published author

**7+**

projects shipped

# ./technologies

## [languages]

- › Python
- › JavaScript
- › HTML/CSS
- › SQL
- › C/C++
- › R

## [ml\_ai]

- › PyTorch
- › TensorFlow
- › Scikit-learn
- › Hugging Face
- › OpenCV

## [data]

- › Pandas
- › NumPy
- › Matplotlib
- › Seaborn
- › RapidMiner
- › Excel

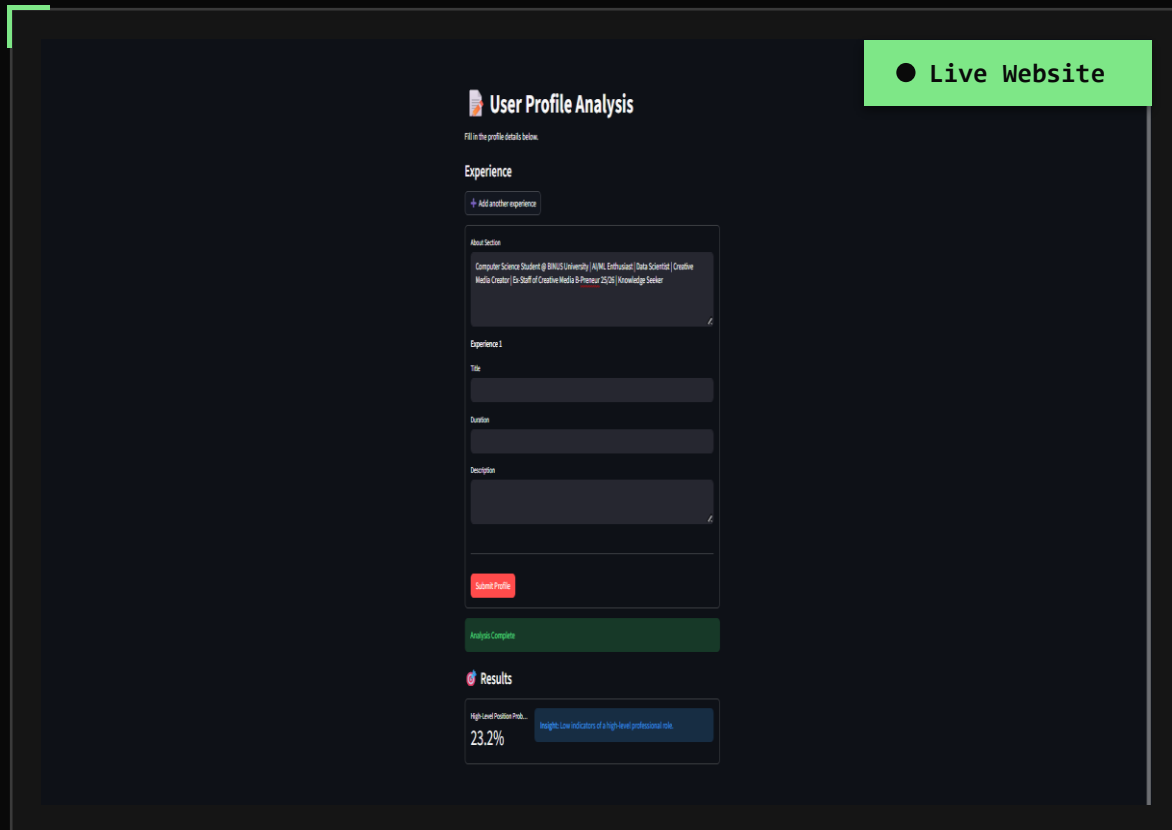
## [frameworks]

- › Streamlit
- › Flask
- › Node.js
- › Git/GitHub
- › Jupyter

## [design]

- › Figma
- › Canva
- › Illustrator
- › Premiere
- › DaVinci

# High-Profile LinkedIn Predictor



A web app that reads LinkedIn profile text and predicts whether someone holds a high-level leadership role, using DistilBERT to interpret unstructured career text and a trained binary classifier to return a confidence score.

## // results

- › Trained on 1,800 profiles; BERT 768-dim embeddings compressed with PCA
- › Benchmarked RF, Logistic Regression, Naive Bayes & SVC
- › Best model: Logistic Regression at 70.7% accuracy

Python

Hugging Face

Scikit-learn

Streamlit

Pandas

[live] [high-profile-linkedin-predictor.streamlit.app](https://high-profile-linkedin-predictor.streamlit.app)  
[github] [github.com/Gilliooo/High-Profile-LinkedIn-Predictor](https://github.com/Gilliooo/High-Profile-LinkedIn-Predictor)

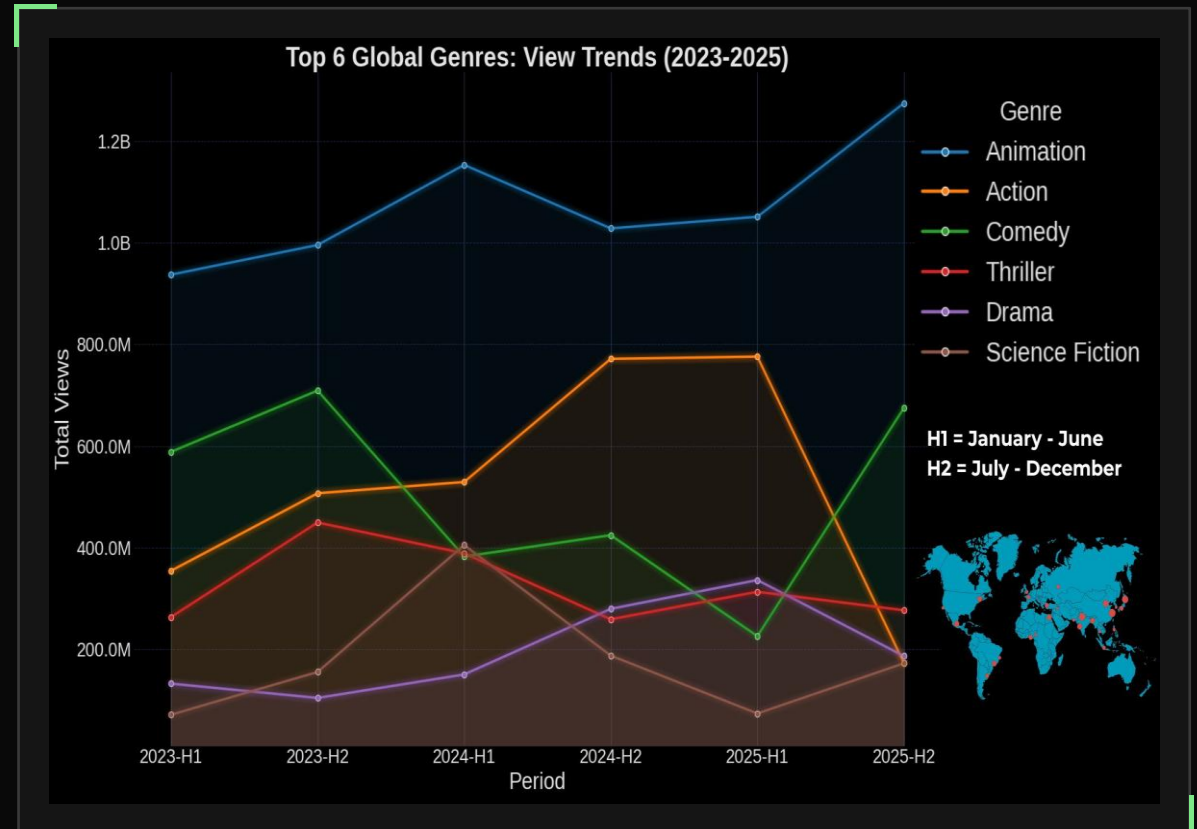
# Indonesian vs. Global Movie Trends

A data analysis comparing Indonesian and global film-genre consumption on streaming platforms, built on FlixPatrol viewership data across six half-year periods with custom candlestick charts, trend lines, and head-to-head share comparisons.

## // results

- › Processed 1,260+ viewership records across 6 periods
- › Horror dominates Indonesia – 60% of local output, 70% of box office
- › Globally, Animation is the only genre with structural growth

[github] [github.com/Gilliooo/Indonesian-Vs-Global-Movie-Trends-2023-2025](https://github.com/Gilliooo/Indonesian-Vs-Global-Movie-Trends-2023-2025)



Python

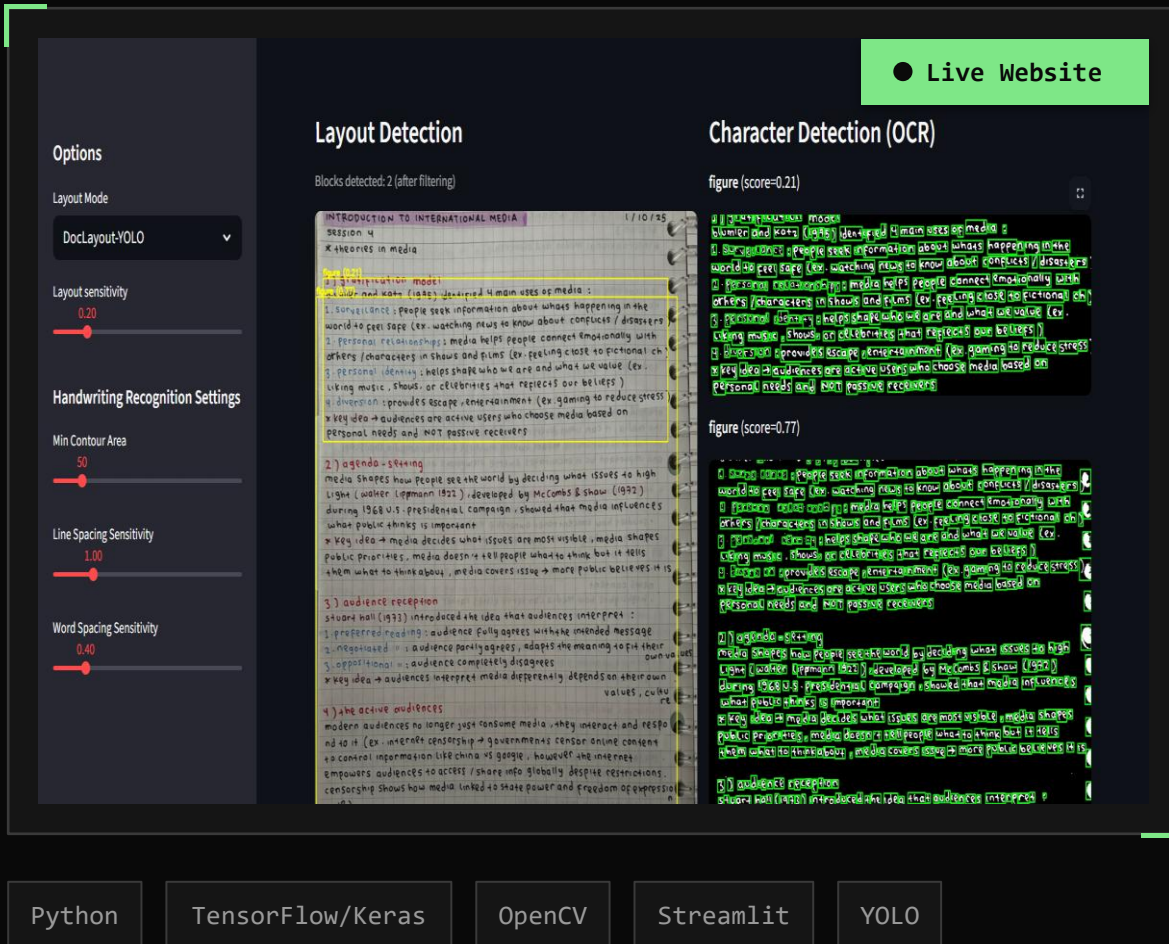
Pandas

Matplotlib

Seaborn

NumPy

# Handwriting OCR to Text



Upload a photo of handwritten notes and get clean, structured Markdown back. A YOLO-based layout model identifies regions – titles, lists, paragraphs – then a custom character-recognition model transcribes each region individually.

```
// results
```

- › Per-region pipeline reconstructs structured Markdown, not flat text
- › TensorFlow/Keras recognition + PaddleOCR DBNet detection
- › 65.9% accuracy on noisy, real-world handwriting

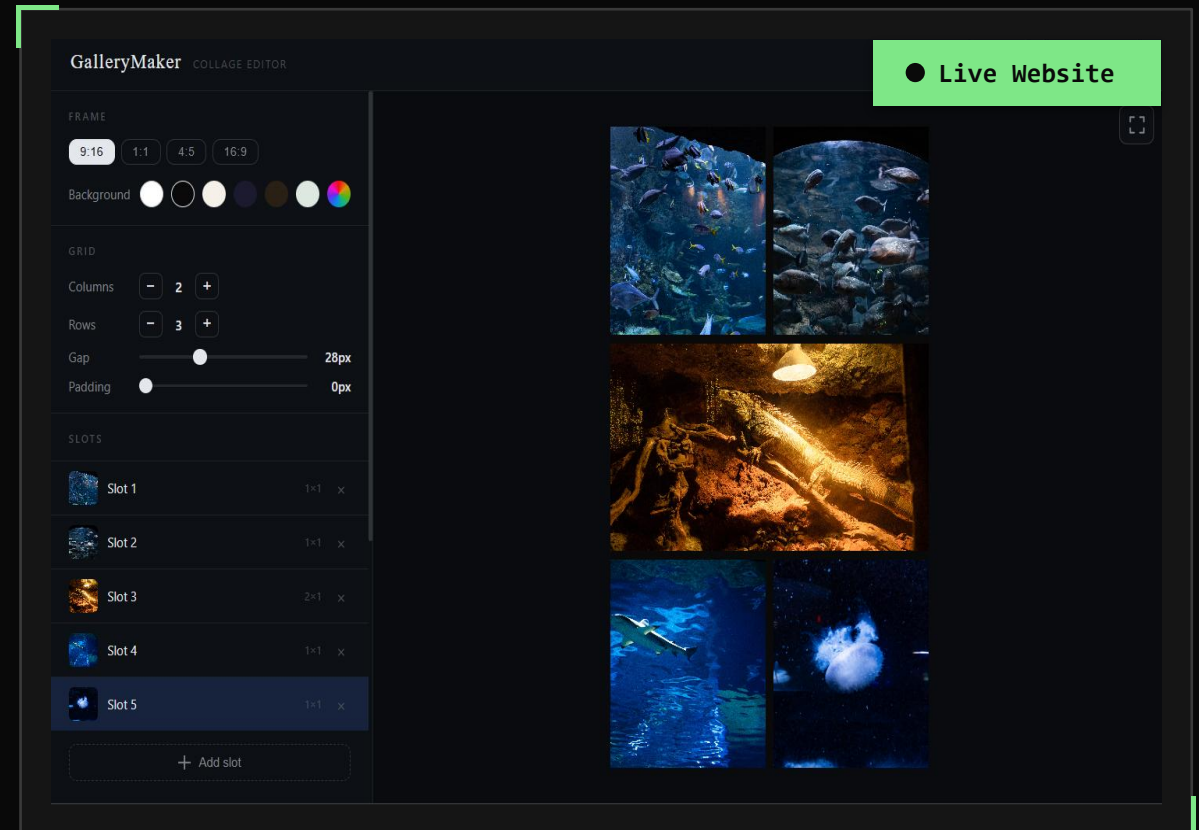
[live] [layout-parser-computervision.streamlit.app](https://layout-parser-computervision.streamlit.app)  
[github] [github.com/Gilliooo/Layout-Parser-ComputerVision](https://github.com/Gilliooo/Layout-Parser-ComputerVision)

# GalleryMaker – Collage Layout Tool

A browser-based collage editor for composing gallery-style image layouts entirely client-side. Users arrange photos across customizable grid presets, tune gaps and backgrounds, then export the finished layout as a JPG.

## // results

- › Fully client-side – no backend required
- › Customizable grid presets, gaps and background controls
- › One-click export to JPG via html2canvas



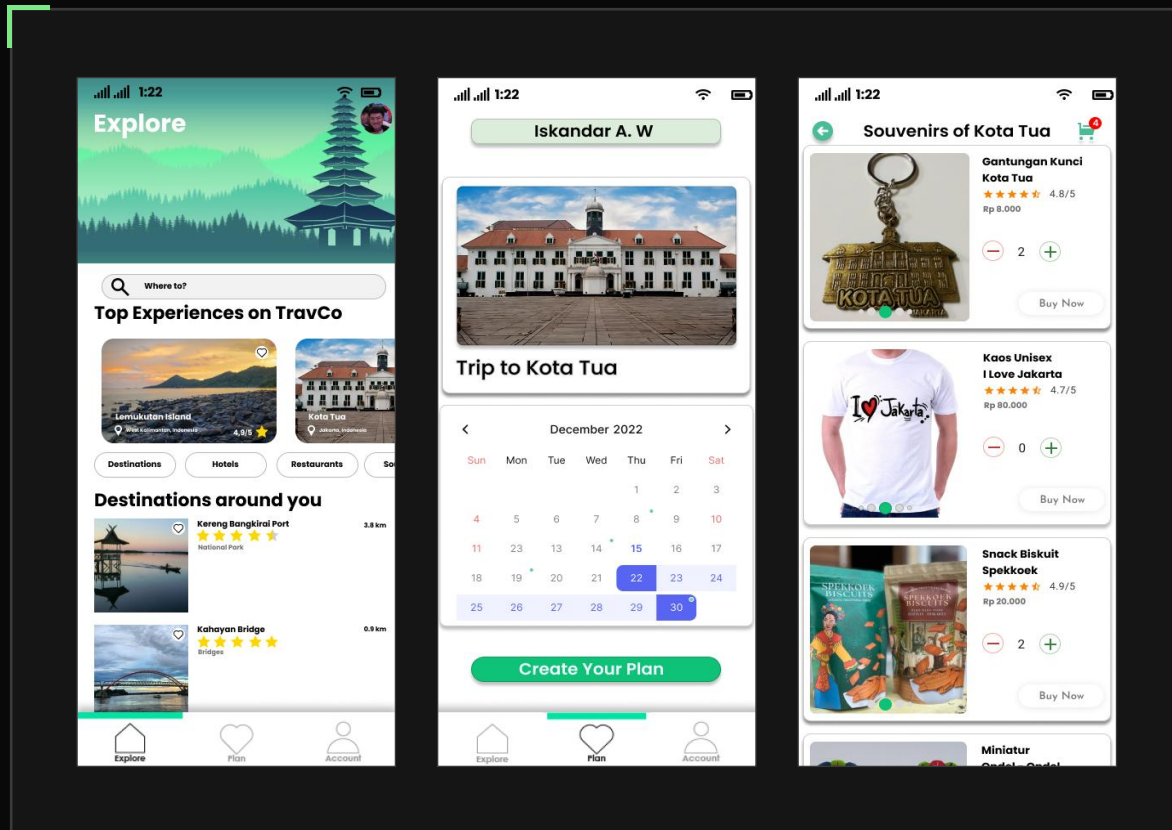
[live] [gilliooo.github.io/Gallerymaker-App](https://gilliooo.github.io/Gallerymaker-App)  
[github] [github.com/Gilliooo/Gallerymaker-App](https://github.com/Gilliooo/Gallerymaker-App)

HTML/CSS

JavaScript

html2canvas

# TravCo – Travel Companion App



A travel companion app concept for discovering and planning trips around Indonesia – browse top experiences, build a day-by-day itinerary, book tickets, and shop local souvenirs. A high-fidelity UI/UX design and interactive prototype crafted in Figma.

## // results

- › Finalist at the INVEST 7.0 UI/UX competition
- › 20+ screens covering the full travel journey end to end
- › Cohesive green design system: Explore · Plan · Account

Figma

UI/UX Design

Prototyping

Design System

Mobile App

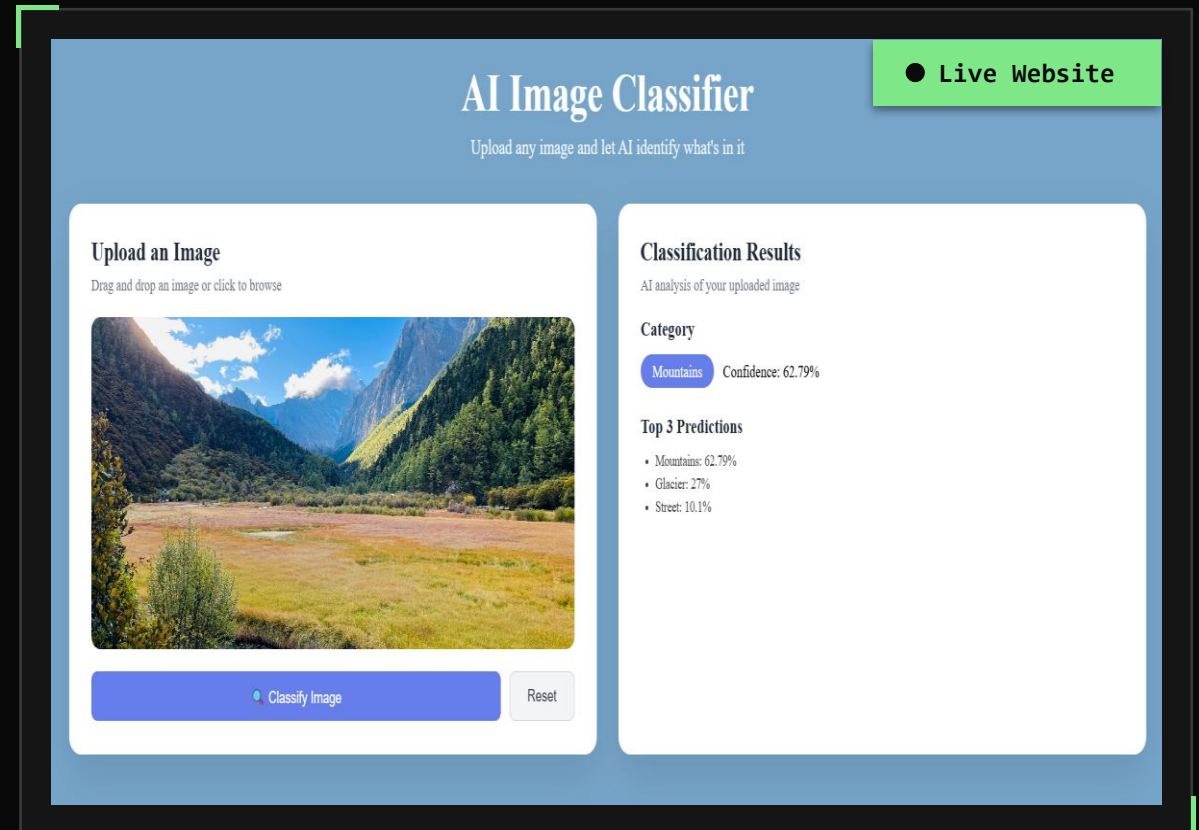
# Landscape Classifier

A web app that analyzes an uploaded photo and predicts the type of landscape it shows. A custom-trained CNN extracts visual features and a multi-class classifier returns the top-3 predictions with confidence scores.

// results

- › Custom CNN built and trained with Keras/TensorFlow
- › Returns top-3 predictions with confidence scores
- › Flask backend serving a lightweight web UI

[live] [gillywillynilly-landscapeclassifier.hf.space](https://gillywillynilly-landscapeclassifier.hf.space)  
[github] [github.com/Gilliooo/LandscapeClassifier](https://github.com/Gilliooo/LandscapeClassifier)



Python

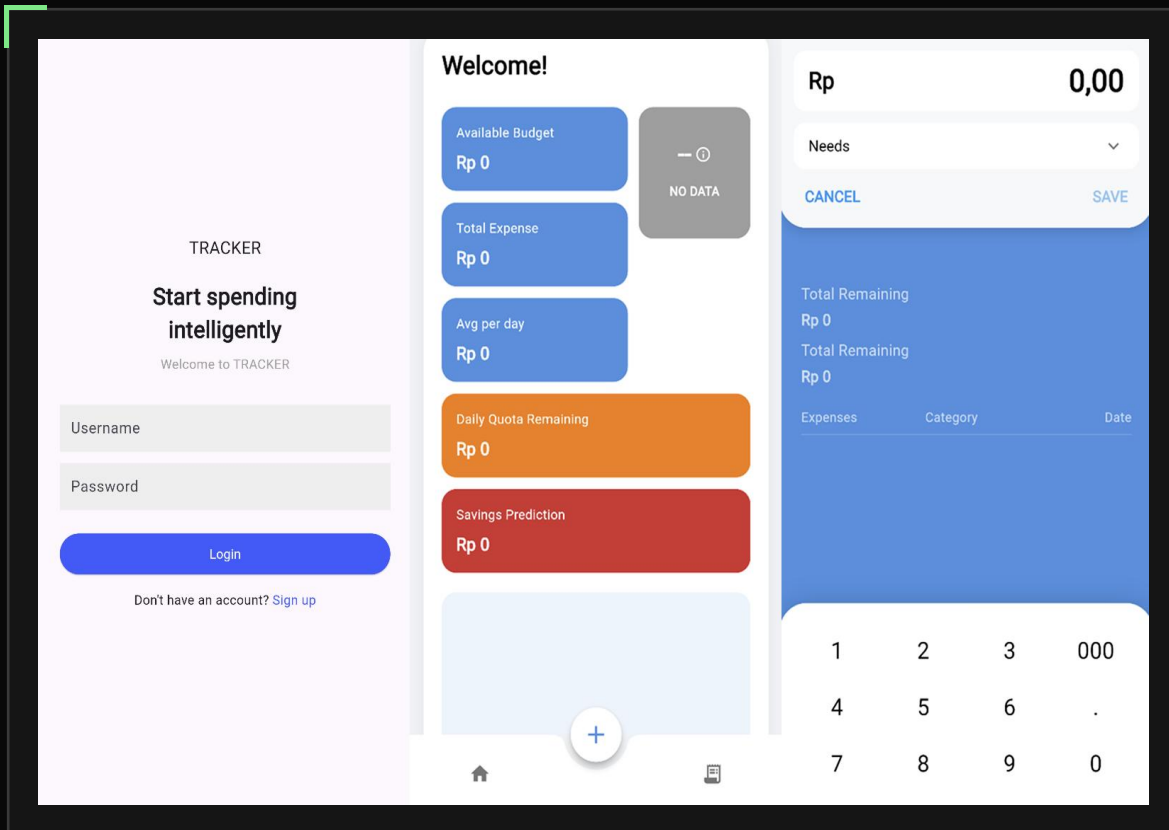
Flask

TensorFlow/Keras

HTML/CSS

JavaScript

# Trackr – Budget Tracker App



A mobile budgeting app built with Flutter to log expenses, monitor balance, and take control of personal finances – backed by a REST API with JWT authentication and persistent local sessions.

// results

- › Client-server architecture with JWT-secured REST backend
- › Expense CRUD with swipe-to-delete and a customizable 50/30/20 split
- › Dashboard with FL Chart trends + an overspending Outlook indicator

[github] [github.com/Gilliooo/BudgetTrackerApp](https://github.com/Gilliooo/BudgetTrackerApp)

Flutter

Dart

REST API

JWT

FL Chart

# ./publication

IEEE · AiDAS 2025

## Analyzing Key LinkedIn Profile Factors for Securing Employment with Leading Roles

2025 6th International Conference on Artificial Intelligence and Data Sciences (AiDAS)

We analyze which LinkedIn profile factors are most associated with securing high-level employment roles. Using machine-learning models with SHAP explainability, we found that recommendations, interests, experiences, and connections were more influential than popularity-based metrics such as follower count – offering practical guidance for professionals optimizing their career visibility.

[read] [ieeexplore.ieee.org/document/11213607](https://ieeexplore.ieee.org/document/11213607)

```
// key drivers
> Recommendations
> Interests
> Experiences
> Connections
```

# ./education & experience

## // education

**B.Sc. Computer Science** 2023 – present

Bina Nusantara University

- › GPA 3.77 / 4.00; AI/ML, data mining & database tech
- › Published IEEE paper at AiDAS 2025
- › ML, AI, Data Mining, Scientific Computing

**Exchange Student** Mar – Jun 2026

Hanyang University, South Korea

- › Spring-semester CS exchange program
- › Information Security, Computer Graphics, Data Analysis

## // experience

**Technical Officer** Sep 2025 – Jan 2026

BioCard

- › Researched hardware for a university IoT digital-ID card
- › Built an Arduino smart ID card; praised by 30 festival reviewers
- › Ran code & hardware QA before deployment

**Coordinator, Creative Media** Mar 2024 – Feb 2026

B-Preneur (Binus Entrepreneur)

- › Grew Instagram Reels interaction by 50% YoY
- › Led campaigns; org won Best Organization of BINUS 2025/26

```
$ echo "let's build something"
```

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[[linkedin](https://www.linkedin.com/in/bill-tunjung)] [linkedin.com/in/bill-tunjung](https://www.linkedin.com/in/bill-tunjung)

[[github](https://github.com/Gilliooo)] [github.com/Gilliooo](https://github.com/Gilliooo)

Thanks for reading.