DESTIAN ALDI NUGRAHA

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SUMMARY

Informatics graduate (S1, Universitas Ahmad Dahlan, GPA 3.82/4.00) with backend, cloud, and applied-AI experience: REST APIs on Google Cloud Run (Node.js/Express, Firestore), a CV–job matching engine (F1 0.90) served with FastAPI and Docker, and an evaluated hybrid recommender for my thesis. Seeking a 6-month internship in backend, cloud, or AI engineering.

SKILLS

Languages: Python, JavaScript (Node.js), Java, C/C++, SQL
Backend: Express.js, FastAPI, REST API design, JWT authentication and role-based access, Cloud Firestore (NoSQL)
Cloud & DevOps: Google Cloud (Cloud Run, Cloud Storage; Compute Engine and VPC networking at lab level), Docker, Git/GitHub
AI / ML: TensorFlow/Keras, scikit-learn, Gensim (Word2Vec), DistilBERT (pre-trained, inference), NLTK, SVD recommender systems, NLP
English: ADEPT (Ahmad Dahlan English Proficiency Test) 515: Listening 70, Structure 92, Reading 57 (May 2026)

EXPERIENCE

AI Engineer, Coding Camp powered by DBS Foundation (scholarship cohort) Feb – Jul 2026
Remote

- Full graduate of the AI Engineer path (course scores 88–95/100, capstone 94/100): machine learning, deep learning (NLP, vision, time series, recommenders), and deployment. Delivered the SkillAlign capstone as one of two AI engineers.

Backend Developer (Freelance), CV. Gajah Muda May – Jul 2025
Central Java, hybrid

- Developed the backend and database of a web Warehouse Management System that digitised a B2B client's manual inventory operations.
- Built Node.js/Express REST APIs for real-time stock tracking; modelled transactions, users, and item logs in Cloud Firestore.
- Deployed on Google Cloud Run with Cloud Storage; implemented JWT authentication with Admin/Staff role-based access and automated low-stock and expiry alerts.

Cloud Computing Cohort, Bangkit Academy (Google, GoTo, Traveloka) Sep – Dec 2024
Remote

- Back-end and cloud engineer in a 7-person capstone team (2 back-end, 2 Android, 3 ML) for AnimalPeek, an ML-integrated Android app: hosted APIs on Cloud Run, built Node.js/Express endpoints between the app and ML models, used Firestore (user and quiz data) and Cloud Storage (image uploads).

PROJECTS

SkillAlign AI Service: CV–Job Matching Engine 2026
github.com/DeAlNu/SkillAlign-AI-Service

- Deep-learning engine (Multi-Scale CNN + Cross-Attention on Word2Vec embeddings) that scores CV–job fit from 0 to 1 and returns skill-gap analysis and learning-path recommendations.
- F1 0.9036, accuracy 88.65%, precision 0.879, recall 0.929 (MAE 0.11); threshold 0.44 set by F1 sweep. Trained on LinkedIn job–resume pairs with a 5-mode pair-synthesis scheme (positive, hard/soft negative, cross-domain, seniority).
- Served with FastAPI in a retrieval + re-ranking design; containerised with Docker and deployed on Google Cloud Run.

Hybrid Movie Recommender (Undergraduate Thesis): SVD + Word2Vec + DistilBERT sentiment 2025–2026
Advisor: Ir. Ahmad Azhari, S.Kom., M.Eng.

- Built and compared seven recommenders on MovieLens 1M (1,000,209 ratings, 6,040 users) enriched with 247,181 IMDb reviews: SVD collaborative filtering, Word2Vec content-based filtering, and DistilBERT sentiment scores for 2,945 films.
- Compared fixed vs dynamic weighting (weights follow a user's rating count) via all-items ranking on 300 users, a Given-N cold-start simulation, and a blind A/B study (14 participants).
- Dynamic beat fixed weighting (Precision@10 0.0723 vs 0.0547, $p < 0.001$) but not the best single model, SVD (0.0687, $p = 0.45$); retuned weights lifted cold-start Precision@10 from 0.019 to 0.125 at one rating. Reported the negative result openly.

Ride-Hailing Reviews Sentiment Analysis (Gojek, Grab, Maxim) 2026
github.com/DeAlNu/Indonesian-ride-hailing-reviews

- TF-IDF with SVM, Logistic Regression, and Random Forest on 9,227 Indonesian app reviews (rating-derived labels). Fixed train/test leakage in my first evaluation (oversampling before the split): honest accuracy 83–85% vs 56% majority baseline; neutral class stays weak.

EDUCATION

Universitas Ahmad Dahlan: S1 Informatika (Informatics), Faculty of Industrial Technology Sep 2022 – 2026
Yogyakarta

- GPA 3.82/4.00. Thesis: evaluation of a hybrid movie recommender (SVD, Word2Vec, DistilBERT sentiment).

CERTIFICATIONS

- Coding Camp 2026 powered by DBS Foundation (Dicoding), AI Engineer: Certificate of Completion, full graduate (Jul 2026); Gemini Certified Student, Google for Education (2026)
- Bangkit Academy 2024 Graduate, Cloud Computing (Jan 2025); Google Cloud Skills Boost: Application Development with Cloud Run, Cloud Computing Foundations (4 courses), Secure Google Cloud Network (2024)
- Dicoding (2026): Build Advanced Deep Learning Projects, Fundamental Deep Learning (110 h), Machine Learning for Beginners (90 h), Basic AI, Python, Git & GitHub
- Dicoding (2024): AWS Back-End Academy (Cloud Practitioner Essentials, Back-End with JavaScript); Becoming a Google Cloud Engineer; Back-End for Beginners with Google Cloud

ORGANISATIONS

Software Engineer Club, Back-End Division: API development with databases; source-code sharing sessions. Nov 2023 – present
Student Executive Board FTI, LSO Badminton: organised group play and mini tournaments. Apr 2024 – Jan 2025