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SUMMARY

I am a **certified Tensorflow Developer** with expertise in **machine learning, object-oriented programming, and DevOps Engineering**. As a Bachelor of Informatics, I have achieved a GPA of 3.99/4.00, demonstrating a strong academic foundation. My experience spans diverse projects using languages like **Go, Python, and TypeScript**, along with technologies such as **Express Node.js, MySQL, React.js, Docker, Github Actions CI/CD**. Notably, I optimized hotel rankings at Traveloka by crafting recommendation systems using **TensorFlow and deep learning models**. I am a **collaborative leader** adept at **managing teams, a creative problem solver, and highly adaptable to evolving technologies**. My soft skills include **strong teamwork, effective communication, and a commitment to learning**, making me a valuable asset for innovative tech projects and organizations.

SKILLS

- Effective Leadership & Collaboration: Proficient in team management, fostering collaboration, and facilitating communication.
- Building Full Scale Application with Python, Go, and Typescript programming language.
- Creating Frontend Web Application with Next.js, TailwindCSS.
- Creating Backend REST API Application with Express, Echo, and FastAPI.
- Building containerize application with Docker, Docker Swarm and Kubernetes and CI/CD tools with Github Action.
- Building machine learning model with Tensorflow, Pytorch and Scikit-Learn.
- Data science using Pandas, Matplotlib, Numpy
- Creative Problem-Solving & Adaptive: Skilled in innovative problem-solving and quick adaptation to changing technologies and environments.

EDUCATION

Telkom University 2019 - 2023	**Bachelor of Informatics** GPA: 3.99/4.00 Learning fundamental of Informatics and Computer Science. - Software Engineering. (45%) - Data Science. (55%)

EXPERIENCES

Tech Lead, Kerjago, 01/2022 – Present
- Kerjago is a platform for CV reviews and interview skills training in collaboration with industry experts.
- Managing 5+ engineer on development Backend, Frontend, and Testing using Express, React.js, Next.js, and MySQL.
- Managing multiple service with Docker Swarm with a low-cost infrastructure.
- Collaborating with other division on translating business process into product.
- Successfully automating CV review and interview scheduling that improves product efficiency.

Machine Learning Mentor and Facilitator, Bangkit Academy, 02/2023 – 08/2023
- Becoming a class mentor for 20+ Machine Learning students
- Teaching simple machine learning to deep learning using TensorFlow
- Guiding 10+ Bangkit 2023 Capstone Group on problem definition, ML model creation using TensorFlow, ML model deployment on GCP using FastAPI and Cloudrun containerization, and model deployment in Kotlin using TFLite.
- Helping with Cloud Computing Path Students on creating backends using Node.js and Go and Machine Learning integration.
- Facilitating a team's entry into the Bangkit 140M IDR Incubation Program.

Lecture Assistant: SE Implementation, Telkom University, 10/2022 – 01/2023
- Helping 50+ students documenting their project by Telkom University SE standard.
- Teaching student on SE documentation to implementation.
- Teaching student creating full-scale application (20% Mobile, 75% Web, 5% Desktop)
- Teaching database (MySQL, Oracle, SQLite), UI (HTML, CSS, Flutter) implementation and testing.
- Achieved successful student mentoring in SE documentation and led diverse full-scale application development, significantly advancing their software engineering expertise.

Machine Learning Engineer (Apprenticeship), Traveloka, 04/2022 – 6/2022
- Building application to optimize hotel ranking based business cases and user preferences.
- Synthesizing and aggregating users' data from databases using Pandas and NumPy from MySQL Databases.
- Creating 4+ recommendation system algorithms by utilizing Python, Numpy, Redis, Docker, and Github Actions.
- Making 2+ deep learning models for the recommendation system mainly using Tensorflow.
- Creating an end-to-end application combining a low-cost infrastructure yet scalable application for the Recommendation System with Google Cloud Platform (GCP), Cloud Run.
- Accepted as the best prototype application and covered by the media at the Ministry of Education and Culture of Indonesia

Back-End Engineer (Apprenticeship), Gits.Id, 10/2021 – 01/2022
- Analyzing Data structure from business cases.
- Creating 15+ transactional API using Go, Echo Frameworks for mobile teams.
- Managing server and back-end services using Docker.
- Creating continues integration pipelines using Gitlab CI/CD and Gitlab Runner.
- Recieved an achivement of second-best application in the program and little funding.

Research Assistant, Telkom University, 07/2021 – 10/2022
- Researching on Indonesian Natural Language Processing (NLP) with a domain of research mainly in Sentiment Analysis.
- Data engineering using Pandas and NumPy.
- Creating text pre-processing pipelines in Python.
- Building and fine-tuning pre-trained models using TensorFlow, Pytorch, and Huggingface frameworks.
- Publishing 2 NLP papers on National Journal and International Conference.

Laboratory Assistant, Artificial Intelligence Laboratory, Telkom University, 01/2021 – 03/2022
- Assisting 10+ students on advance Computer Vision Research.
- Teaching 20+ students on basic Artificial Intelligence.
- Preparing research environment for all laboratory members on using PyTorch and Tensorflow.

Mentor, Telkom University x Dicoding, 09/2020 – 01/2021
- Mentor 20+ students for Basic Machine Learning bootcamp arranged by HIMA IF Telkom University and Dicoding.
- Giving 5+ classes materials including TensorFlow Deep Learning Frameworks.
- Successfully directing students for final projects to be a certified Dicoding's Basic Machine Learning Engineer.

PROJECTS

HotelBli!	Bali hotel recommendation app with 5 recommendation algorithms, covering 100 diverse hotels. Leveraged cost-effective cloud infrastructure and Android Kotlin for optimal, scalable, and user-friendly performance. Part of Traveloka training. Stack used: **FastAPI, Tensorflow, Redis, Docker, Github Action.**
iTalase	Mobile application for small and medium business to help records stocks, transactions, and debts with flexible automated report. Part of Gits.Id training. Stack used: **GORM, ECHO, Docker and Docker Compose.**
Antri.In	Open source, localize, easy to implement queue management system. With ngrok integration, you can integrate this application with your private network and can be accessed by everyone. Stack used: **GORM, Echo, Next.js, TailwindCSS, Docker and Docker Compose, Gitlab CI/CD Runner.** https://antriin.kaenova.my.id
Halliu	Web-based-application social media to upload and share your best moments for world to know. It's also a livestreaming platform. This project also incorporates machine learning for spam detection. Stack used: **Node.js, Express, Sequelize, Scikit-Learn, FastAPI, Next.js, TailwindCSS, React Player, DaisyUI, NGINX RTMP Module, Github Action, Docker and Docker Compose.** https://halliu.kaenova.my.id
Travelliu	Web and mobile application for you who likes hike a mountain. It's a review application and can help you search a friend to accompany your adventure! Stack used: **Laravel 9, Next.js, TailwindCSS, Flutter.** https://travelliu.yaudahlah.my.id

PUBLICATION

- **Indonesian Headline Detection on Twitter Social Media**
  IEEE 2023 – International Conference (ICoDSA 2023)
  https://ieeexplore.ieee.org/document/9689712/

- **Implementation of BERT, IndoBERT, and CNN-LSTM in Classifying Public Opinion about COVID-19 Vaccine in Indonesia**
  RESTI 2022 –National Journal
  https://jurnal.iaii.or.id/index.php/RESTI/article/view/4215

- **Indonesian Digital Wallet Sentiment Analysis Using CNN And LSTM Method**
  IEEE 2021 – International Conference (ICAIBDA'21)

CERTIFICATION AND TRAINING

- **(2023) Tensorflow Developer Certificate**
  Earned the Tensorflow Developer Certificate, showcasing proficiency in designing and implementing machine learning models using Tensorflow. Demonstrated expertise in building and deploying deep learning solutions for diverse applications.
  https://www.credential.net/61550114-843d-4f16-a92b-da16a318ae96

- **(3.5 / 4, 2021) English Communicative Competence Test by Telkom University Language Center**
  ECCT or English Communicative Competence Test is a tool to measure speaking ability in English. ECCT assessment components consist of pronunciation, grammar, vocabulary, flow of speech, construction of ideas, and task completion. Higher score is better
  https://bit.ly/kaenova-ecct-2021

- **(523 / 677, 2023) English Proficiency Test by Telkom University Language Center**
  EPrT or English Proficiency Test is a tool to measure learning English, which includes: Listening Competence as many as 50 questions, Grammar Competency as many as 40 questions, Reading competence as many as 50 questions
  https://bit.ly/kaenova-eprt-2023

- **(iFest 2021) 1st Place on Data Analytics Competition**
  Won at a national competition arranged by Padjadjaran University on Informatics Festival (iFest) with a theme "Harnessing the Power of Sentiment Analysis Towards Industry and Digital Business Advancement."
  https://bit.ly/kaenova-dac-2021

- **(2022) Bangkit Academy (Machine Learning Path) – Distinction Graduates**
  Accomplished the Bangkit Academy Machine Learning Learning Path with Distinction honors. This intensive bootcamp, supported by industry giants Google, GoTo, Traveloka, and Dicoding, equips students with essential skills and coveted tech certifications. The Bangkit program offers specialized tracks in machine learning, mobile development, and cloud computing.
  https://bit.ly/kaenova-bangkit-2022

- **(2021) Gits.Id Study Independent Program (Becoming Back-end Engineer with Golang)**
  Completed the Gits.Id Study Independent Program in collaboration with the Ministry of Education and Culture of Indonesia. This initiative, part of the Kampus Merdeka Programs, focused on becoming a proficient Back-end Engineer with Golang. The program's purpose is to equip bachelor students with real-world, industry-ready skills through experiential learning outside traditional campuses.
  https://bit.ly/kaenova-gitsid-2021

- **Completed Courses:**
  Achieved a Course Completion Certificate, highlighting dedication to continuous learning and mastery of specific subject matter. Demonstrated commitment to personal and professional growth through successful course completion. One highlight on the completed courses is Managing Microservice Architecture with Kubernetes.
  https://bit.ly/kaenova-completed-courses