



ATILLA FEJRIL

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Jl. Manggaraya no 10, Karadenan, Cibinong, Kab. Bogor

I am a 7th semester Informatics student with a deep interest in Data Science and Data Analyst. I have experience in statistics, data analysis, and machine learning. I possess strong organizational, time management, and communication skills. These skills are demonstrated through my experiences in various organizations and committees.

Experience

Data Science and Intelligent System Research Group Telkom University

Jun 2024 - Nov 2024

Research Assistant

- Conducted web scraping on e-commerce platforms Tokopedia and Bukalapak to collect user review data for research purposes.
- Performed data cleaning and preprocessing to ensure dataset quality and relevance for further analysis.
- Built a graph-based machine learning model integrating sentence-word relationships using TF-IDF and Pointwise Mutual Information (PMI) for feature engineering.
- Developed a predictive model using Graph Convolutional Networks (GCN) to classify fake and genuine reviews, achieving high performance with an F1-score of 0.9805, precision of 0.9809, and recall of 0.9806.
- Visualized relationships between sentences and words in a graph structure to enhance interpretability of the dataset.
- Utilized Python and libraries like Pandas, NetworkX, DGL, and Scikit-learn for efficient implementation and experimentation.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Feb 2024 - Jul 2024

Machine Learning Cohort

- Acquired expertise in Google IT Automation with Python, including utilizing Python to interface with the operating system.
- Developed proficiency in data analysis with Python, encompassing data preprocessing to generating reports with data visualization.
- Gained specialization in machine learning by mastering the application of various machine learning models, such as supervised and unsupervised learning, including recommenders and reinforcement learning.
- Attained advanced knowledge in DeepLearning.AI TensorFlow and its applications in Convolutional Neural Networks and Natural Language Processing.

Telkom University

Sep 2023 - Jan 2024

Assistant Lecturer for Data Structure Course

- Assisted in teaching and explaining key data structure concepts, including arrays, linked lists, stacks, queues, trees, and graphs.
- Provided guidance to students during lab sessions and helped debug and optimize their code implementations.
- Supervised and mentored students in completing final projects, focusing on problem-solving and efficient algorithm design.
- Developed and reviewed teaching materials, including lecture slides, coding exercises, and project guidelines.

Education Level

Telkom University - Indonesia

Sep 2021

Bachelor of Informatics, 3.87/4.00

- Relevant Coursework: Data Analysis, Data Visualization, Statistics, and Machine Learning

Organizational

Telkom University S1 Informatics Student Association (HIMA)

Mar 2023 - Apr 2024

Vice Chairman of FORTRAN 2023

- Organize and coordinate tasks carried out by committee members
- Lead meetings and coordinate with student affairs
- Maintain harmony between members
- Manage human resource
- Responsible for the internal committee

Projects, Certificates & Skills

- **Projects** 📄 (2024): Developed an interactive dashboard with Google Looker Studio to analyze survey participation data
- **Projects** 📄 (2024): Developed a web scraping system to collect e-commerce reviews from Tokopedia
- **Projects** 📄 (2024): Developed a web scraping system to collect e-commerce reviews from Bukalapak
- **Projects** 📄 (2024): Developed a machine learning model to detect fake reviews. Applied Python and natural language processing

techniques to improve fraud detection accuracy

- **Projects** 📌 (2024): Developing a Skin Disease Detection Application by Image using the Deep Learning method with an accuracy of 0.9720
- **Projects** 📌: Developed a machine learning model to calculate wine density based on physicochemical data of "Vinho Verde" grapes using ANN
- **Projects** 📌: Developed a machine learning model using Random Forest to predict the extent of forest fires in Portugal.
- **Certificates** 📌 (2024): Analyze Data to Answer Questions
- **Certificates** 📌 (2024): Machine Learning Specialization
- **Certificates** 📌 (2024): Deep Learning AI Tensorflow Developer
- **Certificates** 📌 (2024): Mathematics for Machine Learning and Data Science
- **Soft Skills**: Leadership, Adaptability, Critical Thinking, Time Management, Growth Mindset, Public Speaking
- **Hard Skills**: Data Science, Data Analysis, Web Scrapping, Python, C++(Beginner), Java(Beginner), Tensorflow (Beginner)