

# Davian Benito

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[davianoh.github.io/davian-portfolio](https://davianoh.github.io/davian-portfolio)

Informatics graduate passionate about data science, with a focus on NLP. Experienced in applying data-driven techniques to extract valuable insights through various industry projects. Skilled in critical thinking, with a strong dedication to tasks and excellent communication abilities.

## WORK EXPERIENCE

### AI Researcher • Internship

National Taiwan University of Science and Technology

Dec 2024 - Present

- Conducting research and development of Advanced RAG for a knowledge management system.

### Scientific Researcher

Institut Teknologi Sepuluh Nopember (ITS)

Jul 2024 - Nov 2024

- Conducted research on detecting contradictions in legislation texts through document matching using Transformer models.

### Lecturer Assistant

Institut Teknologi Sepuluh Nopember (ITS)

Feb 2024 - Jul 2024

- Assisted lecturers in preparing materials and assignments for the AI Engineering class.

### Data Analyst • Internship

GoTo Group (Gojek)

Aug 2023 - Dec 2023

- Contributed to the maintenance and creation of queries, tables, and dashboards for analysis.
- Developed a machine learning approach to adjust GoFood merchant ratings.

### Researcher

Institut Teknologi Sepuluh Nopember (ITS)

Jul 2023 - Dec 2023

- Developed a sentiment analysis model using key term expansion on Twitter datasets, using a hybrid approach of TF-IDF and BERT methods.

### Laboratory Assistant

Institut Teknologi Sepuluh Nopember (ITS)

Jul 2022 - Jul 2023

- Assisted lecturers in preparing materials and coordinating events for a lab specializing in graphic interaction software development.

### Software Developer

Schematics ITS

Feb 2022 - Oct 2022

- Developed an application for the National Logic Competition, successfully supporting over 1000 participating teams.

<b>Researcher</b>	
Institut Teknologi Sepuluh Nopember (ITS)	Aug 2021 - Aug 2022
<ul style="list-style-type: none"> <li>Contributed to the development of AI-driven automated segmentation for brain MRI images.</li> <li>Developed an AR application to assist surgeons in visualizing patient tumors during surgery.</li> </ul>	

EDUCATION

<b>Institut Teknologi Sepuluh Nopember (ITS)</b>	
Bachelor's degree in Informatics • GPA: 3.84	Aug 2020 - Aug 2024
<b>SMA Kristen Petra 2</b>	
Science	Aug 2017 - Aug 2020

AWARDS & SCHOLARSHIPS

<b>Most Impressive Presentation - Finalist Big Data Challenge - Satria Data 2024</b>	Aug 2024
Ministry of Education and Culture Republic of Indonesia	
<b>Finalist Big Data Challenge - Satria Data 2023</b>	Aug 2023
Ministry of Education and Culture Republic of Indonesia	

CERTIFICATIONS

<b>Google Advanced Data Analytics</b>	Dec 2024
Google	
<b>EF SET English Certificate 78/100 (C2 Proficient)</b>	Aug 2024
EF Standard English Test (EF SET)	
<b>Introduction to Statistics</b>	Jan 2024
Stanford University	
<b>Data Analyst Associate</b>	Oct 2023
DataCamp	
<b>Natural Language Processing Skill Track</b>	Sep 2023
DataCamp	
<b>Kaggle Data Science Courses Certifications</b>	Apr 2023
Kaggle	
<b>Google Data Analytics Certificate</b>	Feb 2023
Google	
<b>The Data Science Course 2023: Complete Data Science Bootcamp</b>	Jan 2023
365 Data Science	

## PROJECTS

### Analyzing the Impact of Buzzers on Public Opinion Using IndoBERTweet and XGBoost Based on Graph and Tweet Features Aug 2024

Developed a Twitter buzzer detection model to analyze its impact on public opinions regarding the 2024 Indonesian presidential election, utilizing sentiment analysis and topic modeling.

### OCR on License Plate Indonesia Dataset Aug 2023

OCR program using Transformer based approach to detect Indonesia License Plate, succeeded in getting a CER metric of 97.4%

### Stock Price Multi-Steps Forecasting May 2023

Multi-steps forecasting model on BCA stock price using multiple deep learning approaches

## VOLUNTEERING & LEADERSHIP

### UKM Bridge ITS Jul 2022 - Jul 2023

Deputy Head of External Division

Community of bridge players at ITS University

### PMK ITS Jun 2021 - Dec 2021

Event Staff

Christian students association at ITS University

## SKILLS

- Artificial Intelligence
- Big Data
- Data Analysis
- Data Analytics
- Data Science
- Natural Language Processing
- Research Skills
- Statistical Data Analysis

## REFERENCES

### Prof. Dr. Diana Purwitasari, S.Kom., M.Sc.

Faculty of Intelligent Electrical and Informatics Technology, ITS | Dean

Email : diana@if.its.ac.id

Note : Academic advisor during the final thesis.

### Dini Adni Navastara, S.Kom, M.Sc.

Directorate of Technology Development and Information Systems, ITS | Section Head of Customer Relations and Business Planning

Email : dini\_navastara@if.its.ac.id

Note : Academic advisor during the final thesis and various competitions.