Devin Jaya Nugraha

Tangerang Selatan, Banten, Indonesia

devinjn123@gmail.com

linkedin.com/in/devinjnugraha

Summary

I am a TensorFlow Developer with a passion for data and intelligent computing, and a goal of pursuing a career in data science and machine learning. I have a Bachelor of Computer Science degree from Brawijaya University, where I also worked in several practicum assistant jobs; two of them are Algorithms & Data Structures and Database, teaching Java programming, data structure concepts, and SQL database design.

I have gained valuable skills and knowledge in Python programming, data analysis, and machine learning through the Bangkit Academy, a Google-led program that trains high-caliber technical talent for world-class Indonesian technology companies and startups. I learned and practiced TensorFlow for tasks such as natural language processing and neural networks, and applied them to solve real-world problems. I also hold certifications from Google and the University of Michigan in data preparation and analysis, database management, and deep learning.

As a certified TensorFlow Developer, I have conducted academic thesis research on the impact of cost-sensitive learning in convolutional neural networks on long-tailed distribution data, and participated in a data competition on predicting house prices in Jabodetabek. I am eager to leverage my skills and education to contribute to the advancement of the field and to solve challenging and meaningful real-world problems.

Experience

Machine Learning Cohort

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

Feb 2023 - Jul 2023 (6 months)

Bangkit is a Google-led academy designed to produce high-caliber technical talent for world-class Indonesian technology companies and startups. Gained a solid understanding of Python programming, excelling at creating programs and automating tasks. Effectively tackled data challenges through problem-solving and critical thinking skills. Mastered basic math and essential machine learning concepts, and successfully applied them to solve real-world problems using TensorFlow for tasks such as Natural Language Processing and Neural Networks, as well as executing the entire machine learning workflow while implementing models on the web. Not only focusing on technical skills, but also developing a growth mindset. I value concepts such as time management, project management, and effective communication, all of which contributed to my great experience.

Deputy Head of Information Technology Department

Eksekutif Mahasiswa Informatika

Jan 2022 - Jan 2023 (1 year 1 month)

Developed the organization's website using Laravel and provided technical support for EMIF's IT infrastructure.

Practicum Assistant for Algorithms and Data Structures

Faculty of Computer Science (FILKOM) University of Brawijaya

Sep 2022 - Dec 2022 (4 months)

Taught Algorithms and Data Structures using Java, including Linked List, Stack, Queue, Binary Tree, Heap Tree, and Graph for 30 Brawijaya University students majoring in Information Systems.

Practicum Assistant for Database

Faculty of Computer Science (FILKOM) University of Brawijaya

Sep 2022 - Dec 2022 (4 months)

Taught Database System Concepts using MSQL Server, including Entity Relational Model, Entity Relationship Diagram, Relational Algebra, Data Definition Language, Data Manipulation Language, Joins, SQL Operator, Column Function and Grouping, SQL Subquery, SQL Transaction, and T-SQL for 31 Brawijaya University students majoring in Informatics.

Practicum Assistant for Object-Oriented Programming

Faculty of Computer Science (FILKOM) University of Brawijaya

Feb 2022 - Jul 2022 (6 months)

Taught Object Oriented Programming using Java, including Class & Object, Constructor, Encapsulation, Inheritance, Polymorphism, Static Modifier, Final Constant, Java Collection, Java String, and Java File for 29 Brawijaya University students majoring in Informatics.

Practicum Assistant for Operating System

Faculty of Computer Science (FILKOM) University of Brawijaya

Feb 2022 - Jul 2022 (6 months)

Taught Operating System Concepts using Linux, including Shell Scripting, Process and Thread, Synchronization, CPU Scheduling, Deadlock, Memory Allocation, File System and Directory, Input Output, and Virtualization & Container for 31 Brawijaya University students majoring in Informatics.

Practicum Assistant for Basic Programming

Faculty of Computer Science (FILKOM) University of Brawijaya

Sep 2021 - Jan 2022 (5 months)

Taught Basic Programming using Java, including Standard Input Output, Data Types, Conditional Statements, Loops, Arrays, and Methods for 37 Brawijaya University students majoring in Informatics.

Education

University of Brawijaya

Bachelor of Computer Science, Informatics

Aug 2020 - Jan 2024

- Graduated Very Satisfactory in 3.5 years
- Thesis: Optimizing Convolutional Neural Network Using Weighted Loss for Glaucoma Detection (2023)
- Deputy Head of Information Technology Department at Eksekutif Mahasiswa Informatika (2022-2023)
- 7th Place of Data Competition in Predicting House Prices in Jabodetabek (ISFEST UMN 2023)

SMAN 63 Jakarta

High School, Mathematics and Natural Science
Aug 2017 - Jun 2020

Licenses & Certifications

Problem Solving Using Computational Thinking - University of Michigan
3V8HYH3LRYZ9

Google IT Automation with Python: Crash Course on Python - Google Career
Certificates
FQ8JDY23Z8PE

HNPQ3D665EWG

Google Data Analytics: Share Data Through the Art of Visualization - Google Career Certificates
4USQLFBMPEJ6

Mathematics for Machine Learning Specialization - Imperial College London
6H4HHUAZFQAQ

Machine Learning Specialization - DeepLearning.AI
DRH4E8P5NUTQ

TensorFlow Developer Specialization - DeepLearning.AI
9Y7QE4E2RC8G

Structuring Machine Learning Project - DeepLearning.AI
UJYKT25CWUG4

TensorFlow Data and Deployment Specialization - DeepLearning.AI
ZMNZ36L4ZJAH

TensorFlow Developer Certificate - TensorFlow Certificate Program
Issued Sep 2023 - Expires Sep 2026
83259328

Skills

Data Structures • Linux • Object-Oriented Programming (OOP) • Web Development • Team Leadership • Business Planning • Python (Programming Language) • Machine Learning • Data Analytics • PHP

Honors & Awards

Member of the Month - Wall Street English Living World
Apr 2023
As a Member of the Month, issued by Wall Street English Living World, I have been recognized for my hard work and dedication in improving my English skills. I am grateful for the opportunity to be part of such a wonderful learning community and proud to have achieved this honor.

7th Place of Data Competition - ISFEST UMN 2023
Jul 2023
I came in 7th place in a competition about predicting house prices in Jabodetabek. I used linear regression method by XGBoost achieving 94% variance score, explained in my report titled "Predicting

House Prices in Jabodetabek using Linear Regression". This achievement motivates me to learn more and explore further in the world of data analytics and business understanding.