Curriculum Vitae

I Nyoman Krisna Bayu

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Summary

I am I Nyoman Krisna Bayu, a fresh graduate from the Department of Information Technology, Udayana University. I am from Bali, Indonesia. While majoring in Information Technology, I learned about Python programming languages and PHP programming languages, and then I learn about datawarehouse, data analytics, machine learning, deep learning, and big data technology. In database structures, I learned about MySQL and MongoDB. Currently very interested learn about Data Analyst, Data Engineer, Data Science, and Big Data Technology. I also understand SDLC (Software Development Life Cycle) with Waterfall Methodology and Agile Methodology with Kanban and Scrum. During majoring in education I have GPA is 3.80 / 4.0.

SKILLS INFORMATION

Data Analyst and Data Science Tech and Tools	Database Tools	Programming Language
Pycharm, Jupyter Notebook, Tableau, Ms. Excel, Holistics, Metabase, PowerBI, Google Data Studio	Dbeaver, MySQL, MongoDB	SQL, PostgreeSQL, Python, PHP

Project Management	Language
GitHub, Jira, Trello, Waterfall Methodology, Agile Methodology with Scrum	Indonesian : 4 / 5 English : 3.5 / 5

EXPERIENCE WORKING

Job Position	:	Data Analyst.
Company	:	Qoala Indonesia.
Company Type	:	Insurtech StartUp Company.
Location	:	South Jakarta, Jakarta, Indonesia.
Period	:	Nov. 2021 – May. 2022.
Level	:	Internship – Part Time.
Jobdesc	:	• Dashboarding : To prepare a dashboard to monitor a process and showing the performance of a process.
		• Deep dive analytics : To answer a specific questions that business team has and identify the root cause, and even provide the recommendations.
		• Ad-hoc Checking Data : To give information on questions to check on a specific type of data. For example, list of transaction on specific agents.
		• Filtering and Pivoting : To aggregate some data into a certain level (etc : product/partner). Should be able to be done by empowering business.
		• Ingest new Data : New Google Sheets usually to store the data for new process.
		• Create New ETL Process : Move Data transaction Source from Sheet to Backend Data
Tech Stack and Tools Used	:	SQL, Python, DBeaver, Airflow, Amazon Redshift, Jira, GitHub, SourceTree, VSCode, Holistics, Metabase.

Job Position	:	Android Developer.
Company	:	Artha Komputer.
Company Type	:	Software House and Retail.
Location	:	Badung, Bali, Indonesia.
Period	:	Jul. 2021 – Sep. 2021
Level	:	Internship.
Jobdesc	:	• Create business process flow.
		• Create backend API.
		• Create frontend on application.
Tech Stack and Tools Used	:	Java, PHP, SQL, Google Maps API, MySQL, Android Studio.

EXPERIENCE PROJECT

Topic	:	Web. Development for Data Management and Analytics
Title	:	Web. Development for Data Management & Analytics on Petshop Data, included Forecasting with S-ARIMA and Association with Fp-Growth.
Month Year	:	Aug. 2022
Technology Uses	:	Web. Development Framework : Django
		Programming Language : Python
		Database : MySQL
		Forecasting Method : S-ARIMA
		Associaion Method : Fp-Growth

Topic	:	Data Analyst
Title	:	Transform Data and Deep Dive Analytics on Stealing Motorcycle (Curanmor) Dataset
Month Year	:	Jul. 2022
Technology Uses	:	Dataset : Stealing Motorcycle (Curanmor) Data
		ETL Process : Python and SQL
		Geolocation Process : Google Maps API
		Place Nearby Impacted Feature : Google Maps API
		Database : MySQL
		Visualization : Power BI

Topic	:	Data Science
Title	:	Forecasting Sales Data using RNN-LSTM Method with Dynamic Data on MariaDB and PowerBI Visualization
Month Year	:	May. 2022
Technology Uses	:	Dataset : Marketing Sales Dataset
		Data Exploration, Data Pre-processing and Feature Selection Library Using Pandas
		Analysis Type : Forecasting Time Series Analysis
		Database : SQL (MariaDB)
		Forecasting Method : RNN-LSTM
		Forecasting Method Library : Tensorflow
		Data Visualization Tools : PowerBI
		IDE Tools : Jupyter Notebook

Topic	**:**	Data Analyst
Title	**:**	Exploratory Data Analysis (EDA) Fraud Dataset
Month Year	**:**	Sep. 2021
Technology Uses	**:**	Dataset : Fraud Dataset
		Programming Language : Python
		Data Exploration, Data Pre-processing and Feature Selection Library : Pandas
		Data Visualization Library : Matplotlib
		IDE Tools : Jupyter Notebook

Topic	**:**	Data Analyst
Title	**:**	Exploratory Data Analysis (EDA) Marketing Dataset
Month Year	**:**	Sep. 2021
Technology Uses	**:**	Dataset : Marketing Dataset
		Programming Language : Python
		Data Exploration, Data Pre-processing and Feature Selection Library : Pandas
		Data Visualization Library : Matplotlib
		IDE Tools : Jupyter Notebook

Topic	**:**	Deep Learning
Title	**:**	Loan Credit Prediction with Deep Learning Using Convolutional Neural Network
Month Year	**:**	Sep. 2021.
Technology Uses	**:**	Dataset : Loan Credit Dataset
		Programming Language : Python
		Data Exploration, Data Pre-processing and Feature Selection Library : Pandas
		Classification Method : Convolutional Neural Network
		Library Classification : Tensorflow
		Data Visualization Library : Matplotlib
		IDE Tools : Jupyter Notebook

Topic	:	Deep Learning
Title	:	Mental Health Prediction with Deep Learning using Convolutional Neural Network
Month Year	:	Sep. 2021.
Technology Uses	:	Dataset : Mental Health Dataset
		Programming Language : Python
		Data Exploration, Data Pre-processing and Feature Selection Library : Pandas
		Classification Method : Convolutional Neural Network
		Library Classification : Tensorflow
		Data Visualization Library : Matplotlib
		IDE Tools : Jupyter Notebook

Topic	:	Machine Learning
Title	:	Advertising Click Customer Prediction using Linear Regression, Decision Tree, Gradient Boosting, and Random Forest
Month Year	:	Aug. 2021.
Technology Uses	:	Dataset : Advertising Click By Customer Dataset
		Programming Language : Python
		Data Exploration, Data Pre-processing and Feature Selection Library : Pandas
		Classification Method : Linear Regression, Decision Tree, Gradient Boosting, and Random Forest
		Classification and Evaluate Library : SKlearn
		Data Visualization Library : Matplotlib
		IDE Tools : Pycharm

Topic	:	Deep Learning
Title	:	Employee Attrition Prediction with Deep Learning using Artificial Neural Network
Month Year	:	Aug. 2021.
Technology Uses	:	Database : MongoDB
		Programming Language : Python
		Dataset : IBM HR Analytics Employee Attrition & Performance Dataset
		Data Exploration, Data Pre-processing and Feature Selection Library : Pandas
		Classification Library : Tensorflow
		Classification Method : ANN (Artificial Neural Network)
		IDE Tools : Jupyter Notebook

Topic	:	Big Data Analytics
Title	:	Classification of Indonesian Population's Level Happiness on Twitter Data Using N-Gram, Naïve Bayes, and Big Data Technology
Month Year	:	Jun. 2021 - Jul. 2021.
Technology Uses	:	Database : MongoDB
		Programming Language : Python
		Visualization Tools : Tableau
		Classification Method : N-Gram, and Naive Bayes
		API : Tweepy API IDE : Pycharm

Topic	:	Machine Learning
Title	:	Happiness Level Classification Using Deep Learning with Convolutional Neural Network
Month Year	:	Jun. 2021.
Technology Uses	:	Programming Language : Python
		Library : Tensorflow
		Classification Method : Convolutional Neural Network
		IDE : Jupyter Notebook

Topic	:	Mobile App. Development
Title	:	Mobile Apps. Business Directory Based on Android Platform
Month Year	:	Jun. 2020 – Oct. 2020.
Technology Uses	:	Database : MySQL
		Programming Language : Java and PHP
		IDE : Android Studio

Topic	:	Machine Learning
Title	:	Sentiment Analysis on Indonesian Language using N-Gram and Naive Bayes
Month Year	:	Mar. 2020 – Jun. 2020.
Technology Uses	:	Programming Language : Python
		Classification Method : N-Gram, and Naive Bayes
		IDE : Pycharm

INTERNATIONAL PUBLICATION

On research about Big Data Technologies has awards to be published in an International Journal indexed by SCOPUS Quartile 3 titled "Classification of Indonesian Population's Level of Happiness on Twitter Data Using N-Gram, Naïve Bayes, and Big Data Technology".

CERTIFICATIONS

Name	**:**	SQL (Advance)
Issuing Organization	**:**	HackerRank
Issue Date	**:**	Aug. 2022.

Name	**:**	SQL (Intermediate)
Issuing Organization	**:**	HackerRank
Issue Date	**:**	Jun. 2022.

Name	**:**	SQL (Basic)
Issuing Organization	**:**	HackerRank
Issue Date	**:**	Jun. 2022.

Name	**:**	Intro to Data Analytics Mini Course
Issuing Organization	**:**	RevoU
Issue Date	**:**	Aug. 2021.

Name	**:**	PCAP - Programming Essentials in Python Issuing Organization
Issuing Organization	**:**	Python Institute
Issue Date	**:**	Aug. 2021.

Name	**:**	Master Software Testing+Jira+Agile on Live App-Be a TeamLead
Issuing Organization	**:**	Udemy
Issue Date	**:**	Jul. 2021.

EXPERIENCE ORGANIZATIONS

Position	:	Chairman of Organization
Organization Name	:	Information Technology Organization, Udayana University
Year	:	2020

Position	:	Manager of Product Division
Organization Name	:	Information Technology Organization, Udayana University
Year	:	2019

Position	:	Lead of Event Organizer
Event Organizer Name	:	Information Technology Creative Competition, Udayana University
Year	:	2019

Position	:	Public Relation Coordinator
Event Organizer Name	:	Information Technology Nasional Seminar, Udayana University
Year	:	2019