Devanaga Saputra

Cianjur | github.com/DeppahNs| +6281546743628 | devanagas7@gmail.com

EDUCATION

Udayana University | **Jimbaran, Bali**

Mathematics in Faculty of Mathematics and Natural Sciences (GPA: 3.57) | *Graduate Date: February 2024*

Organizations: Mathematics Student Association

ORGANIZATION EXPERIENCE

Mathematics Student Association | **Udayana University**

Member of the field of education and reasoning | *Januari 2022 - Januari 2023*

- Trusted in student creativity program, increase 100% the number of program submitted within 2 months.
- Obliged to run student creativty program seminars, rise 10% the number of participant, helping assist student in determining solution to existing problem as the basis for making proposals.
- Responsible for being the head of the question-making team in the Bali Mathematics Olympiad event.

PROJECT EXPERIENCE

Student Graduation Classification | **Udayana University**

- Developed a classification model using R to predict student graduation.
- Collected and preprocessed data, selected relevant features, and implemented various classification algorithms including naive Bayes, C4.5 algorithm and random forests.
- Achieved a high accuracy rate of 89,4%, identifying key factors such as GPA and attendance influencing graduation.

Sentiment Analysis Whatsapp on AndroidApp Dataset | **Personal**

- Conducted sentiment analysis on WhatsApp chats using an Android app to classify message sentiments as positive, negative, or neutral.
- Cleaned and preprocessed the data, extracted features using NLP techniques, and implemented sentiment analysis algorithms and machine learning models.
- Achieved a high accuracy rate of 75,3%, providing insights into common sentiment patterns and factors influencing sentiment.

Customer Segmentation using K-Means on SuperStore Dataset | **Personal**

- Collected and preprocessed customer data from public sources (Kaggle, UCI).
- Determined the optimal number of clusters using the Elbow Method and Silhouette Score.
- Implemented K-Means clustering in Python, analyzed segments, and visualized findings.

VOLUNTEERING EXPERIENCE

Bali Mathematics Olmpyad | **Udayana University**

Steering Comitee | *1 February 2023 - 1 Desember 2023*

- Explored and created new ways to resolve problems with processes, technology or team members to improve overall efficiency.
- Trained and mentored to maximise team performance
- Built and maintained courteous and effective working relationships
- Increased the number of participants by 10 % from the previous year

CERTIFICATION

Microsoft Office: Ms. Excel Associate	*19 March 2022*
Microsoft Office: Ms. Excel Expert	*4 April 2022*
IT Specialist: Phyton	*25 May 2022*

AZ-900: Microsoft Azure Fundamental *8 June 2022*
DP-900: Microsoft Azure Data Fundamental *13 July 2023*
Independent Study: Data Science Track *14 February 2022 – 15 July 2022*

SKILL & INTEREST

Skills: Mathematics, Statistics, Data Analysis, Data Visualization, Data Modeller, Data Mining
Tools: Microsoft Office (Excel, PowerPoint) | Phyton | SPSS | Matlab | Minitab | C++ | Phyton | SQL| R | PowerBI | Tableau
Interests: Analyst, Data Analytics, Data Science, Data Entry, Accountant