

USMAR MANALU

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Result-driven and highly motivated Informatics Engineering student with a strong background in mobile development and data analysis. Currently pursuing vocational studies at the University of Bina Sarana Informatika, with a keen interest in mobile programming, software engineering, and data science. Eager to leverage my skills and experiences gained from hands-on projects and academic endeavors to contribute effectively to innovative tech initiatives. Passionate about continuous learning and seeking opportunities to grow professionally in the dynamic field of technology.

EDUCATION

Vocational in Informatics Engineering, University of Bina Sarana Informatika 2021 – Present

- Current GPA: 3.91/4.00
- Relevan Course: Mobile Programming(Framework Flutter and Dart), Software Engineering, Object Based Programming, Mobile Commerce, Discrete Mathematics, Logic and Algorithm, Programming Basic, Artificial Intelligence and Machine Learning

Student Exchange, University of Multimedia Nusantara 2024 – Present

- Collaborate on humanitarian projects that utilize data science for flood disaster anticipation and preparedness
- Responsible for System Development, Programming and Testing
- Engaged in data analysis, modeling, and visualization to develop effective strategies for disaster preparedness and post-disaster response
- Contributed to interdisciplinary discussions and worked collaboratively to address challenges in disaster management through innovative data driven approaches

EXPERIENCE

MSIB Kampus Merdeka, Bangkit Academy 2023 batch 2 (august/2023) – (january/2024)

- Learning Path: Mobile Development Cohort
- Engaged in a career readiness program sponsored by Google, GoTo, Traveloka and Deeptech Foundation
- Key Courses: Kotlin Programming, Introduction to Android App Development, Intermediate Android Development, SOLID Principles, Jetpack Compose, Become an Android Developer Expert and Associate Android Developer Exam Simulation
- Actively participated in soft skills training and English language classes conducted by experienced professionals
- Contributed to the “SaveMoney” Capstone Project focusing on finance management applications
- Represented Bangkit as a Student Ambassador, fostering program awareness across campuses

Data Analysis and Visualization by Kominfo, Talent Scouting Academy (january/2024) – (present)

- Data Driven Disaster Preparedness and Post-Disaster Resilience Students
- Focus on training data talent in Data Analysis, Data Modeling and Data Visualization with a Synchronous mechanism
- Asynchronous Training via DQLab platform, Guidance and Project Monitoring
- Completed courses and successfully passed quizzes and final exams in each module with scores meeting predetermined criteria
- Final Project Reporting

ORGANIZATIONAL EXPERIENCES

Creative Director, BEM Faculty of Informatics Engineering (march/2023) – (february/2024)

- Designed promotional materials including Instagram content, posters, banners and standing banners
- Planned and curated content for various promotional campaigns and events within the Faculty of Informatics Engineering’s Students Executive Board (BEM)
- Lead creative direction for promotional campaigns and events, ensuring alignment with organizational goals and target audience preferences

PROJECTS

Capstone Project:

- Member of the Android Development Team for the “SaveMoney” app in the Capstone program at Bangkit Academy, collaborating with Cloud Computing and Machine Learning teams

SahamIQ:

- Personal project developed to fulfill coursework requirements, focusing on financial data analysis and stock market trends
- Features: Display trending stock data, Provide real-time financial news updates, Ability to add and remove stocks to a watchlist, Utilizes Room Database for local storage, Data retrieval from public API in JSON format, Unit Test
- Technologies Used: Android Studio, Kotlin, Room Database, Retrofit (for API calls), JSON parsing, Firebase Crashlytics (for crash reporting), CircleCI

SKILLS

Language: Bahasa Indonesia (Native), English (Intermediate)

Software: GIT, Github, Firebase, MySQL, Android Studio, Android Jetpack, CircleCI, Visual Studio Code, Google Colab, Jupyter Notebook, Canva

Framework: Pandas, Numpy, ggplot2, Matplotlib, scikit-learn

Programming: Kotlin, Python, R, Basic Javascript, SQL

Others:

- Communication and Collaboration
- Problem Solving
- Team Work
- Time Management
- Adaptability

CERTIFICATION

- Bangkit Academy Certificate of Completion 2023
- BNSP Program Analysis Certificate
- Become an Expert Android Developer Course Certificate - Dicoding Indonesia
- Programming Basics to Become Software Developer - Dicoding Indonesia
- Statistic using Python for Data Science - DQLab
- Data Preparation in Data Science using R - DQLab
- Python Fundamental for Data Science - DQLab