

USMAR MANALU

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Result-driven and highly motivated Information Technology student with a solid foundation in mobile development and data analysis. Currently pursuing a Bachelor's Degree at the University of Bina Sarana Informatika, with a strong 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 actively seeking opportunities to grow professionally in the dynamic field of technology.

EDUCATION

Bachelor's Degree in Information Technology, Bina Sarana Informatika University 2021 – Present

- Current GPA: 3.91/4.00
- Relevant 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, Multimedia Nusantara Jakarta University Feb 2024 – June 2024

- 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 Aug 2023 – Jan 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 Feb 2024 – June 2024

- 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 – Feb 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

Bangkit Academy 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
- Features: User authentication, Monitor user spending and income management, Financial literacy and articles space, Monthly financial statistics, User financial predictions
- Technologies Used: Android Studio, Kotlin, Room Database, Retrofit (for API calls), JSON parsing, Firebase Firestore, Firebase Authentication, Realtime Database, Python for Machine Learning, Google Cloud Platform (GCP) for Deploy

SahamIQ App:

- 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
- Digital Talent Scholarship Training Certificate 2024
- BNSP Program Analysis Certificate
- TOEFL PREDICTION TEST
- Become an Expert Android Developer Course Certificate - Dicoding Indonesia
- Learn Intermediate Android Application Development Dicoding Indonesia
- Learn to Create Android Apps with Jetpack Compose Dicoding Indonesia
- Programming Basics to Become Software Developer - Dicoding Indonesia
- CCNAv7: Introduction to Networks – Cisco Networking Academy
- Network Security - Cisco Networking Academy
- Statistic using Python for Data Science - DQLab
- Data Preparation in Data Science using R - DQLab
- Python Fundamental for Data Science - DQLab