

Muhammad Grandiv Lava Putra

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EDUCATION

Gadjah Mada University **Sleman, Indonesia**
Bachelor of Science in Information Technology Expected 2026

- **Relevant Coursework:** Object-oriented Programming, Computer Network, Data Structures and Algorithms, Computer Architecture, Data and Computer Communications, Computer Programming

SMA Negeri 1 Yogyakarta **Sleman, Indonesia**
Math and Science May 2022
Enrolled in IT class and became an SNMPTN recipient with an average academic score of 90.47

EXPERIENCE

KMTETI FT UGM **Sleman, Indonesia**
Member, Mobile Development Jan 2024 – Feb 2024

- Brainstormed with a team that led to a decision of smart city as the project theme for the final project
- Discussed with 2 mentors in developing the mobile application
- Developed an android mobile application with Android Studio to support SDG Zero Hunger that's written in Kotlin and Java

NESCO UGM **Sleman, Indonesia**
Frontend Staff, Web Developer Oct 2023 – Present

- Developed a responsive website using react.js and tailwind for national electrical power system competition

Lustrum DTETI XII **Sleman, Indonesia**
Staff, Sponsorship and Fundraiser Nov 2023 – Feb 2024

- Collaborated with a team to craft a comprehensive sponsorship proposal
- Contacted companies by phone and email
- Arranged meetings and engaging in discussions that led to negotiations
- Analyzed and suggested sponsorship package options available for companies based on resource considerations; implementation led to successful partnerships with 17 companies, both small and big businesses

KMTETI FT UGM **Sleman, Indonesia**
Member, Data Science Training Aug 2023 – Nov 2023

- Created a machine learning model to predict Mathematics, Reading, and Writing grades based on their demographic information with pandas and numpy libraries
- Did Exploratory Data Analysis and analyzed the characteristics of students who passed on subjects Mathematics, Reading, and Writing based on their demographic information
- Proposed 8 relevant questions to determine the characteristics and presented the data with graphs and charts

Information Technology DTETI UGM **Sleman, Indonesia**
Student, Object-oriented Programming Aug 2023 – Dec 2023

- Developed a Food Rescue and Allocation (FOREAL) desktop app in Visual Studio with a team to support SDG Zero Hunger
- Planned, designed, and created the user-interface for the FOREAL app
- Drawn a UML Use Case Diagram to show the connection between the user and the server
- Created a Microsoft SQL database and deployed it in Microsoft Azure
- Deployed an API that consist of GET and POST methods to Microsoft Azure and tested the end-point API using Postman and Swagger
- Did the refactoring process to increase the readability of the codes and used component-based NuGet
- Wrote the final report that comprised of general and technical information about the app

KMTETI FT UGM

Sleman, Indonesia

Member, Web Development 2 Training

Feb 2023 – May 2023

- Built a responsive to-do list web application in next.js framework for the final project
- Styled the web application with Tailwind CSS

Night Login DTETI UGM

Sleman, Indonesia

Member, Game Developer

Mar 2023 – Jan 2024

- Learned how to develop video games with Unity resulted in making 3D game project

Badan Nasional Sertifikasi Profesi (BSNP)

Yogyakarta, Indonesia

Staff, Data Administration

Apr 2022 – May 2022

- Assisted with technical tasks especially in managing participant data for Competency Test Assessment

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in Indonesian; Professional Working Proficiency in English; Conversational Proficiency in Javanese

Technical Skills: JavaScript, Python, Tailwind CSS, React.js, C#, C++, HTML, Exploratory Data Analysis, Machine Learning, Pandas, NumPy, Git & GitHub, Kotlin, Firebase, Microsoft SQL, MongoDB, Teamwork, Problem-Solving, Time Management, Communication

Certifications & Training: Duolingo English Proficiency Certificate - 140 (Jan 2024), Data Science Training (Jan 2024), Web Development 2 Training (Jun 2023)

Hobbies & Interests: Cyber Security, Software Engineer, Data Science, Doing Self-Made Projects Video Games, Movies, Music, Walking, Working Out, Martial Arts