



Gilang Afrian Maulana

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ABOUT ME

Fresh graduate with a strong interest in Database Administration, Cloud Infrastructure, Artificial Intelligence, and Software Development. Holds four Oracle certifications covering Oracle Cloud Infrastructure, AI Foundations, AI Database, AI Agent Studio, and Cloud Architecture. Have academic and hands-on project experience in web development, IoT systems, PHP, NodeMCU ESP8266, and Telegram Bot integration. A fast learner with strong problem-solving skills and a strong interest in developing a career in Database Administration, Cloud Infrastructure, or IT Engineering.

WORK EXPERIENCE

Oracle Database Administration Project

Personal Project - 2026

- Installed and configured Oracle Database in a development environment.
- Created and managed schemas, tables, indexes, views, sequences, and users Db
- Performed database backup and recovery exercises using Oracle database utilities
- Applied basic database administration and maintenance practices

PostgreSQL Database Administration & Replication Lab

Personal Project - 2025

- Installed and configured PostgreSQL on Linux environment
- Created and managed databases, schemas, tables, users, roles, and privileges.
- Performed database backup and restore using PostgreSQL utilities.
- Performed database maintenance using vacuum, analyze, and reindex.
- Configured and troubleshooted PostgreSQL Streaming Replication.

DevOps

Personal Project - 2025

- Implemented a basic DevOps workflow to automate software development, testing, and deployment processes.
- Utilized Git and GitHub for source code management and version control.
- Built a CI/CD pipeline to automate application build, testing, and deployment processes.
- Applied Docker to containerize applications and simplify application deployment.
- Managed application configuration and deployment across development and testing environments.
- Performed troubleshooting and monitoring of application deployment processes.
- Applied basic DevOps practices including Continuous Integration, Continuous Delivery, version control, and automation.

IoT-Based Home Light Control and Monitoring System

Academic Project - 2024

- Developed an IoT-based home lighting control and monitoring system using NodeMCU ESP8266.
- Integrated Telegram Bot to enable remote control and monitoring of home lighting.
- Configured communication between NodeMCU ESP8266 and Telegram Bot through an internet connection.
- Programmed and tested the system using Arduino IDE
- Implemented Telegram Bot authentication using a bot token generated through BotFather

Junior Web Programmer

Academic Project - 2023

- Developed web applications using structured programming concepts and software development best practices.
- Implemented data structures and user interface components to support application functionality.
- Installed and configured required software development tools and programming environments
- Utilized libraries and pre-existing components to improve application development efficiency.

Library Management Website Using PHP

Academic Project - 2022

- Developed a web-based library management application using PHP.
- Implemented book search functionality to help users find library resources more efficiently.
- Developed an online library reporting feature to allow users to generate and print library reports.
- Designed a user-friendly registration process to make it easier and more efficient for users.

EDUCATION

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Gunadarma University

Graduated: 2024 | GPA: 3.39

CERTIFICATIONS

- Oracle Cloud Infrastructure Certified AI Foundations Associate
- Oracle AI Database Certified Foundations Associate
- Oracle Fusion AI Agent Studio Certified Foundations Associate - Rel 1
- Oracle Cloud Infrastructure Certified Architect Associate