

# BRILLIANT GIBRAN ADHINATA J.

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## EDUCATION

Cakrawala University

Bachelor of Science in Computer Science

Jakarta, Indonesia

Expected Graduation: 2029

**Relevant Coursework:** Software Engineering, Database Architecture, Network Security, Distributed Computing, Data Structures, Human-Computer Interaction.

**Academic Highlights:** Applied the IDEAL problem-solving framework and Computational Thinking to real-world scenarios. Evaluated algorithm time and space efficiency through Big O Notation analysis.

## EXPERIENCE

LPPPH Edukasi Wakaf Indonesia

Halal Product Process Companion (PPPH)

Jakarta, Indonesia

May 2026 - Present

- Administered the Free Halal Certificate Program (SEHATI), delivering direct certification services and guidance to Micro, Small, and Medium Enterprises (MSMEs).
- Facilitated professional verification of halal product processes, ensuring compliance with regulations established by the Halal Product Assurance Agency (BPJPH).

Google Maps

Local Guide Contributor (Level 5)

Remote

2024 - Present

- Achieved Level 5 status by systematically reviewing and evaluating local businesses and public facilities.
- Contributed accurate spatial data, photography, and digital reviews to enhance geospatial navigation precision for a global user base.

## PROJECTS

**SUARAKU - Community Environmental Reporting App**

- Designed a high-fidelity application prototype using Figma to streamline environmental issue reporting for local government districts.
- Conducted end-to-end Human-Centered Design (HCD) research, developing User Personas, Empathy Maps, and User Journey Maps.
- Executed usability testing to validate the interface, assessing performance quantitatively via the System Usability Scale (SUS).

**KastaNews Content Publishing Database Architecture**

- Architected a robust relational database for a news content management system using PostgreSQL.
- Engineered schema design to Third Normal Form (3NF) and deployed comprehensive DDL configurations and DML transaction scripts for production readiness.

**Network Penetration & Security Testing Lab**

- Simulated a real-world network penetration attack against a Windows 10 target machine using a reverse TCP payload.
- Documented vulnerability exploitation steps and established system access control via Meterpreter sessions using Kali Linux, Metasploit Framework, and msfvenom.

**Distributed Data Processor & Containerization Pipeline**

- Built a distributed computing environment on an Ubuntu virtual server cluster to process CSV datasets in parallel across three distinct nodes.
- Implemented containerization patterns and orchestrated Big Data processing workflows using Python, Docker, Kubernetes, and Apache Hadoop.

**OOP Concert Ticket Management System**

- Developed a Command Line Interface (CLI) concert ticket purchasing system in Python.
- Applied Object-Oriented Programming (OOP) principles to manage seat availability, process transactions, and automate receipt generation.

**Algorithmic Data Structures Lab**

- Programmed a custom Singly Linked List in Python to optimize memory allocation for a music playlist management system.
- Utilized Stack (LIFO) and Queue (FIFO) data structures to simulate document tracking and printer queues, evaluating operational efficiency through Big O complexity analysis.

**Mikrotik Network Routing & Tunneling Infrastructure**

- Configured comprehensive enterprise network infrastructure from scratch using Mikrotik RouterOS.
- Established WAN connectivity, PPTP tunneling, static routing, DHCP servers, and a hotspot login portal, validating the topology within a GNS3 simulation environment.

## CERTIFICATIONS

**Play It Safe: Manage Security Risks: Google via Coursera, Credential ID: 3D82LU8402VV** | June 2026

**Foundations of Cybersecurity: Google via Coursera** | June 2026

**Halal Product Process Companion (PPPH): BPJPH Ministry of Religious Affairs R.I. & LPPPH Edukasi Wakaf Indonesia, Certificate: A-4837/BD.II/P.II.II/KP.02/04/2026** | April 2026

## TECHNICAL SKILLS

**Languages & Databases:** Python, SQL, PostgreSQL.

**Systems & Infrastructure:** Docker, Kubernetes, Apache Hadoop, Ubuntu Server, Mikrotik RouterOS, GNS3, DHCP, PPTP.

**Cybersecurity:** Kali Linux, Metasploit Framework, msfvenom, Reverse TCP, Penetration Testing, Risk Management.

**Design & UI/UX:** Figma, Human-Centered Design, Wireframing, Usability Testing (SUS), Empathy Mapping.

**Concepts:** Object-Oriented Programming (OOP), Data Structures, Big O Analysis, 3NF Normalization, Computational Thinking.