

# ALBERT

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## EDUCATION

**Bachelor of Science – Telecommunication Engineering** *Aug 2021 – Jul 2025*

**Institut Teknologi Bandung | GPA: 3.67 / 4.00 (148 credits)**

**Thesis:** Joint Optimization of Beacon Rate and Transmission Power for Vehicle-to Vehicle (V2V) Communication in Highway Line-of Sight (LOS) Scenario using Deep Reinforcement Learning.

**Organizations:** ITB Telecom. Student Association (IMT” Signum” ITB), ITB Robotics Club, ITB Buddhis Student Association (KMB “Dhammanano ITB)

**Achievement:** ZTE Indonesia Scholarship Awardee (2023).

## WORK EXPERIENCE

**Service Delivery Engineer Intern | PT. ZTE Indonesia - Jakarta** *Jul 2024 – Oct 2024*

- Executed Level 2 (Visual) & Level 3 (Functional) commissioning for Data Center Building Management System (BMS), ensuring system readiness in collaboration with consultant teams.
- Resolved critical connectivity issues by configuring network switches (CLI), implementing VLAN segmentation, PoE, and security ACLs for the BMS/CCTV network.
- Troubleshoot and verified Modbus-to-BACnet IP protocol integration, using Modbus Poll to validate data flow from field devices to the BMS server.

## PROJECTS

**PowerBill: AI-Powered Invoice Management System** *Oct 2025 – Nov 2025*

Personal Project | MongoDB + Express.js + ReactJS + Node.js + Gemini API

- Built an AI-powered invoice system using MERN stack and Google Gemini API, enabling automated parsing of unstructured text into structured data and generating smart financial insights.
- Designed a secure React dashboard with JWT authentication, streamlining billing workflows with real-time invoice tracking and AI-drafted payment reminders.

**Egglyze: Egg Quality Classification System Based on Shell Analysis** *Oct 2024 – Dec 2024*

Bangkit Academy Capstone Project | Google Compute Engine + Cloud Firestore + Python (Flask)

- Architected a scalable backend REST API using Python (Flask) deployed on Google Compute Engine, serving as the core interface for image processing requests.
- Implemented real-time data persistence by integrating Google Cloud Firestore, enabling efficient storage and retrieval of egg quality analysis results for the client application.

## SKILLS

**Technical:** Javascript/Typescript, ReactJS, Node.js/Express.js, Python, Flask, FastAPI, MongoDB, PostgreSQL, MySQL, Supabase, Vercel, Render, Git, GitHub Actions, Jenkins, Terraform (IaC), AWS, GCP, Alibaba Cloud, Oracle Cloud Infrastructure (OCI), and Huawei Cloud.

**Languages:** English (Intermediate), Indonesian (Native), Mandarin Simplified (HSK5/TOCFL-B2)

## CERTIFICATIONS

**Oracle Cloud Infrastructure 2025 Multicloud Certified Professional** – Oct 2025

**Google Cloud Certified - Associate Cloud Engineer** – May 2025

**Alibaba Cloud Certified Associate (Cloud, Big Data, DB)** – Feb, May, Aug 2024

**Huawei Certified ICT Associate – Cloud Service** – Dec 2023