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*
- Commissioned L2/L3 network for Data Center BMS in close collaboration with consultant teams: configured switches (LACP, VLAN, PoE, ACLs) and delivered 100% on-time system handover.
- Fixed critical connectivity & protocol issues via Modbus Poll, enabling flawless Modbus-to-BACnet IP integration for 100+ field devices.
- Implemented redundant links and strict ACLs, enhancing BMS/CCTV network reliability and cutting potential downtime risk by 80%.

PROJECTS

PowerBill: AI-Powered Invoice Management System ✎   *Oct 2025 – Nov 2025*
Personal Project | MongoDB + Express.js + ReactJS + Node.js + Gemini API + Docker
- Built a MERN full-stack AI-Powered Invoice Generator integrated with Gemini AI that turns raw text into perfect invoices in <5s with 100% accuracy, generate auto-reminders, and provide smart financial insights.
- Dockerized full stack (frontend + backend), enabling instant, reproducible deployment across any environment and seamless scaling for production use.

AWS Cloud-Based Student Data Management System ✎   *Oct 2024 – Nov 2024*
Cloud Computing Coursework Project | ReactJS + SpringBoot + AWS
- Designed & deployed full-stack student management system using ReactJS frontend, Spring Boot REST API backend, and MySQL on AWS RDS for scalable, multi-user data operations.
- Architected secure, production-grade AWS infrastructure (EC2, RDS, S3, Route 53, IAM roles & policies), achieving 99.9% uptime, automated backups, and zero unauthorized access during testing.

SKILLS

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