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 L2 & L3 commissioning for Data Center Building Management System (BMS), ensuring system readiness in collaboration with consultant teams.
- Resolved critical connectivity issues by configuring network switches, implementing link-aggregation, VLAN segmentation, PoE, and security ACLs for the BMS/CCTV network.
- Troubleshot 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 + Docker + CI/CD
- Built an AI-powered invoice system using MERN stack and Google Gemini API, architecting REST API to enable 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.

AWS Cloud-Based Student Data Management System ✎   *Oct 2024 – Nov 2024*
Cloud Computing Coursework Project | ReactJS + SpringBoot + AWS
- Built a React frontend and Spring Boot backend, integrating both through REST APIs to ensure smooth data operations and a scalable, maintainable application structure.
- Deployed a cloud-based student data management system using AWS S3, EC2, RDS, Route 53, and IAM, enabling centralized data storage, secure access control, and public website hosting.

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*