DAVID NABABAN

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I'm an Electrical Engineering student at Sepuluh Nopember Institute of Technology, specializing in Telecommunication and Multimedia. I'm passionate about technology and stay updated on advancements in telecommunication, IT, and programming. Proficient in software like Proteus, Eagle, Arduino, and MATLAB, I excel in languages including C/C++, JavaScript, and have hands-on experience with JSON, HTML, CSS, and Google Cloud Platform. I've developed frontend interfaces, APIs, storage solutions, and server-side applications using Express.js and Hapi frameworks

Education Level

Cloud Computing Bangkit Academy 2023   Feb 2023 - Jul 2023
Cloud Computing, 90.11/100.00

- Hard Skills: JavaScript, Backend Development, Node.js (Express.js and Hapi Framework), Google Cloud Platform, SQL Database, Sysadmin, IT Infrastructure.
- Soft Skills: Critical Thinking, Project Management, Problem Solving, Time Management.

Institut Teknologi Sepuluh Nopember - **Surabaya**   Aug 2020 - Jun 2024 (Expected)
Bachelor Degree in Electrical Engineering, 3.35/4.00

Work Experiences

B301 Network Telecommunication Laboratory ITS   Jun 2023 - Jul 2023
Intern

- Operated the Frequency Division Multiplexing Scientech 2211 laboratory equipment. Analyzed the system flow and signals generated by the laboratory equipment. Developed practical modules and assistant guides based on the equipment. Output: Created practical modules for students and assistant guides.

B301 Network Telecommunication Laboratory ITS - **Surabaya**   Feb 2022 - May 2022
Lab Work Assistant

- Facilitated a fundamental Telecommunication and Networking practicum for a group of 51 Electrical Engineering students across 17 sessions. Each session consisted of a total of 3 hours, with 2 hours dedicated to practical exercises and 1 hour allocated for providing assistance. Primarily focused on assisting students in understanding and implementing Frequency Modulation techniques.

Organisational Experience

OKKBK TEKNIK ELEKTRO 2022 - **Surabaya**   Jul 2022 - Aug 2022
Staff, Material Division

- Created learning lists for OKKBK Teknik Elektro 2022, with total 16 courses
- Prepared pre tasks, tasks, pre-test and post test for participants, impacting 200+ students (participants)
- Fabricated Terms of Reference as basis to create learning content.

KPMKR Surabaya - **Surabaya**   Apr 2022 - Jun 2022
Head of Badan Semi Otonom (BSO)

- Responsible to held big event of KPMKR Surabaya such and managed 30 people as event committee.
- Raised Rp9.000.000,00 to cover up event expenses.
- Impacted KPMKR Surabaya with the increased of its treasury with total Rp600.000,00.
- Head of Event HUT KPMKR Surabaya, created grand design and timeline with total 2 months preparation and event execution.
- Coordinator KPMKR Futsal Cup 2022, fabricated futsal tournament concept to celebrate KPMKR Surabaya anniversary with total 12 teams competing.

KPMKR Surabaya - **Surabaya**   Oct 2021 - Apr 2022
Staff, Internal Division

- Managed organization internal to create warmth environment in KPMKR Surabaya.
- Liaison between organization members and committee, with total 100+ members and committee.

Achievement & Project

- **English Proficiency** ✅: TEFL-ITS, Score 540 (216 - 677)
- **Capstone Project** ✅ (2023): Our project, "DigiNote," is an OCR-based Note app that extracts text from images, allowing users to save and edit the content. Our team of 5 experts in App Development, Backend, Cloud Environment, and Machine Learning collaborated to achieve this efficient solution. My role includes developing the backend app, handling registration, login processes,

note creation connected to an SQL database, and creating an API for machine learning. I deployed the backend and ML API on Google Cloud Platform and collaborate with mobile and ML developers for integration

- **Project** (2022): "Simple Spiral Antenna" group project with 5 students in a group, designed with MATLAB Programming and manufactured with aluminum materials.
- **Achievement** ⊘ (2021): "Staff of The Period I" KPMKR Surabaya November-Desember 2021
- **Cloud Computing** ⊘: Google Cloud Platform
- **Programming**: JavaScript (Advance), Nodejs (Advance), HTML and CSS (intermediate)