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PROFILE

Electrical & Electronics Engineering graduate from Nanyang Technological University with a strong interest for IT and software development. Specializing in front-end engineering, with hands-on experiences building websites and cross platform mobile application. Proficient in React, JavaScript, HTML/CSS, and Flutter. Currently seeking for full-time website development opportunities in Singapore.

EDUCATION

Nanyang Technological University, Singapore   2020-2024
Bachelor of Engineering (B.Eng.) in Electrical and Electronics Engineering (EEE)
Graduated with Honours (Distinction)

Relevant Coursework: Website Application Design, Data Structures and Algorithms, Data Mining and Artificial Intelligence

SMAK 6 Penabur High School, Jakarta, Indonesia   2017-2020

WORK EXPERIENCE

Rolls Royce Singapore Pte Ltd, Singapore   Jan 2023-May 2023
Power Electronics Engineer (Internship)
- Evaluated solid state power controllers' performances and conducted electrical parameters testing for power systems.
- Programmed microcontrollers to control pulse sequences for SSPC testing.
- Analyzed switching behaviors and optimized power flow to reduce electrical losses.

ACADEMIC PROJECTS

Final Year Project, NTU – Machine Learning for Radar Imaging
- Designed and Trained Convolutional Neural Network models (TensorFlow/Keras) to estimate wall thickness and material type from radar simulation data.
- Achieved >90% accuracy on wall parameters regression tasks.
- Automated pre-processing pipelines using Python and NumPy.

Web Application Design Project – Full Stack Website
- Built a full-stack website prototype with user authentication, dynamic shopping cart, and real time order tracking.
- Built using HTML, CSS, JavaScript, PHP, and MySQL with session-based login and database integration to manage user accounts and order data.
- GitHub: Website Repository
- Live Demo: Food-Dash Website

Design & Innovation Project – Smart Mobile Application
- Developed a cross-platform mobile app for calculating electrical circuit values with step-by-step solutions, built with Flutter and Dart, and optimized for iOS devices.
- Designed user interface in Figma and implemented interactive features for electrical engineering learning.
- GitHub: App Repository
- Live Demo: Circuit Analysis App

SKILLS

- Programming languages: JavaScript, Python, C, PHP
- Web App Development: HTML5, CSS3, ReactJS, Flutter, Tailwind CSS
- Database: MySQL, SQL
- Machine Learning: TensorFlow, NumPy, pandas, Keras
- Tools: Figma, Git, GitHub, Visual Studio Code
- Hardware & Testing: Oscilloscopes, Multimeters, Microcontrollers
- Microsoft Office: Excel, Word, PowerPoint

CERTIFICATIONS

- Cloud Computing by Duke University (Coursera)
- Building Web Applications in PHP by University of Michigan (Coursera)
- Building Database Applications in PHP by University of Michigan (Coursera)
- JavaScript, jQuery, JSON by University of Michigan (Coursera)

EXTRACURRICULAR ACTIVITIES

Project Officer, Pelajar Indonesia NTU (PINTU)
- Planned and organized orientation activities for new Indonesian students at Nanyang Technological University, Singapore.

Member, NTU Chess Club
- Participated in weekly training sessions; enhanced critical thinking and focus.

ADDITIONAL INFORMATION

- Languages: English (Fluent), Indonesian (Native)
- Hobbies: Strength training, Sport, Chess