CARLOS MICHAEL MARPAUNG

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Banjar ganjang, Narumonda 1

As a third-year Information Technology Diploma student at Institut Teknologi Del, I am deeply passionate about software development. My expertise lies in programming and algorithmic solutions, a field I am continuously exploring and expanding upon. With a keen aptitude for learning, I thrive on tackling new challenges and staying abreast of emerging technologies. My strong interpersonal communication skills complement my technical prowess, allowing me to collaborate effectively within teams or work autonomously. I am committed to driving innovation and delivering high-quality solutions in the dynamic realm of technology.

Education Level

Institut Teknologi Del - Laguboti   Aug 2022 - Present

Third-year Information Technology Diploma, 3.44/4.00

Experiences

(Project) Redesigning the Institut Teknologi Del Website

Programmer

Redesigned the user interface of the Institut Teknologi Del website as part of the User Interface Design course. Implemented improvements to enhance user experience and visual aesthetics using HTML, CSS, and JavaScript.

(Project) Developed Application BAAK Management

Programmer

Developed the BAAK Management application as the final project for the Mobile Application Development course. Designed to streamline BAAK (Bureau of Academic Affairs and Cooperation) management processes, the application was built using Dart and Flutter.

(Project) Developed Desktop-based Library Management System

Programmer

Developed a Desktop Library Management System as the final project for the Object-Oriented Programming course. Utilized JavaFX to create a user-friendly interface for efficient library operations management.

(Project) Developed Website Shop Management

Programmer

Developed a comprehensive Shop Management website as the final project for the .NET Technology Programming course, utilizing C# to create a user-friendly platform aimed at optimizing various aspects of shop management.

(Project) Developed Website Online Course SkillUP

Programmer

This project is the final project of the Final Project course focused on creating an online learning platform. Leveraging Laravel, the project aimed to develop a dynamic website for hosting various online courses, facilitating continuous learning and skill enhancement.

(Project) Developed Book Recommendation System using LSTM Algorithm

Programmer

Developed a book recommendation system using the LSTM algorithm, based on user preferences and interactions, with a case study on the Google Books API. The frontend was built with React, and the backend with Django, ensuring scalability. The recommendation model was implemented and trained in an IPython Notebook, showcasing the use of machine learning in a real-world application.

(Internship) PT Dimensi Kreasi Nusantara   Aug 2024 - Dec 2024

Developer

Developed and maintained core banking systems and mobile applications for the microfinance sector, focusing on improving operational efficiency and user experience. Collaborated with the team to design software solutions using the latest technologies and conducted testing to ensure application quality.

Organisational Experience

Del English Club - Institut Teknologi Del   Oct 2022 - Oct 2023
Member
Del English Club is a student organization at Institut Teknologi Del focused on improving English proficiency.
Actively participated in weekly practice sessions and organized events like, discussion, presentations, and English Day.

Kaderisasi Himpunan Mahasiswa Teknologi Informasi - Institut Teknologi Del   Oct 2023 - Oct 2023
Member

The orientation program for the Information Technology Student Association (Himatif) at IT Del aims to develop leadership, strengthen character, enhance social skills, and promote independence among new students. It also aims to instill organizational values, and provide academic and social support. I participated in activities designed to achieve these objectives.

Himatif (Himpunan Mahasiswa Teknologi Informasi) - Institut Teknologi Del   Aug 2023 - 2024
Vice Chairman

Himatif is the student association for Information Technology at Institut Teknologi Del, dedicated to supporting IT students.

Assisted in leading the organization and planning activities.

Coordinated events and workshops to enhance student skills and networking opportunities.

Awards & Certifications

Digital Talent Scholarship   Jun 2023 - Jul 2023
Junior Web Developer at the Vocational School Graduate Academy Program

Institut Teknologi Del - Laguboti   May 2023 - May 2023
Himatif Coding Day

YCAB Foundation   Jun 2023 - Jul 2023
Career Preparation of Youth Digital Acceleration Program

Dicoding   Feb 2024 - Feb 2024
Learn Basic Web Page Programming

Dicoding   Feb 2024 - Feb 2024
Learn to Create a Web Front-End

Additionals

- **Technical Skills**: HTML, CSS, Javascript, React, Python, Django, Bootstrap, BPMN, UI/UX, PHP, Laravel, GIT, Java, C, C#, MySQL, Flutter, Dart
- **Software**: Visual Studio Code, Xampp, Laragon, SQLyog, SQL Server, Apache NetBeans, Figma, StarUML, Postman