



CARLOS MICHAEL MARPAUNG

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Laguboti, Toba, North Sumatra, 22384

As a graduate with a Diploma 3 in Information Technology from 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
Information Technology Diploma 3 | IPK: 3.46/4.00
Laguboti, Toba, North Sumatra

2022 - 2025

Experiences

(Project) Developed Book Recommendation System using LSTM Algorithm

Dec 2024 - Jun 2025

Programmer

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

(Internship) PT Dimensi Kreasi Nusantara

Aug 2024 - Dec 2024

Developer

Developed and enhanced features for the Dots Mobile app using React Native, improving functionality and user experience. On the backend, worked with Django to build and maintain server-side components, ensuring smooth integration with the mobile app. Collaborated with the team to troubleshoot, debug, and implement new features while writing clean, maintainable code. Participated in sprint planning and agile processes, ensuring timely project delivery.

(Project) Developed Workshop Management

May 2024 - Sep 2024

Programmer

Developed a comprehensive Shop Management website using C# and SQL Server, creating a user-friendly platform designed to streamline and optimize various aspects of shop management, including inventory tracking, sales management, and customer interactions.

(Project) Developed Website Shop Management

Dec 2023 - Mar 2024

Programmer

Developed a comprehensive Workshop Management System for Batik Tegalana using Laravel, Tailwind CSS, and Livewire. This user-friendly platform streamlines various aspects of workshop operations, including inventory tracking, sales management (POS system), customer reservations, and educational content delivery, enhancing efficiency and public engagement.

(Project) Developed Application BAAK Management

May 2023 - Sep 2023

Programmer

Developed the BAAK Management application to streamline BAAK (Bureau of Academic Affairs and Cooperation) management processes, built using Dart and Flutter for a seamless mobile experience. The app optimized administrative tasks, enhancing efficiency in managing academic records and student services.

(Project) Developed Website Online Course SkillUP

Jan 2022 - Jun 2023

Programmer

Developed an online learning platform using Laravel, designed to host various courses and facilitate continuous learning and skill enhancement. The platform features an intuitive interface, course management tools, and seamless user experience for both students and instructors.

Organisational Experience

Himatif (Himpunan Mahasiswa Teknologi Informasi) - Institut Teknologi Del <i>Vice Chairman</i>	Aug 2023 - 2024
Del English Club - Institut Teknologi Del <i>Member</i>	Oct 2022 - Oct 2023

Awards & Certifications

Coursera <i>Google Advanced Data Analytics</i>	Mar 2025
Microsoft <i>elevAlte with Dicoding Program</i>	Mar 2025
Digital Talent Scholarship <i>Junior Web Developer at the Vocational School Graduate Academy Program</i>	Aug 2023
YCAB Foundation <i>Career Preparation of Youth Digital Acceleration Program</i>	Jul 2023

Additional

- **Technical Skills:** HTML, CSS, Javascript, PHP, Python, Flutter, React, Laravel, Django, Dart, GIT, C#, MySQL
- **Software:** Visual Studio Code, Xampp, Laragon, SQLyog, SQL Server, Figma, Postman