Marcel Giovanni Munaba

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Education

Technische Universität München, B.Sc. in Computer Science   Oct 2022 – Present

- GPA: 2.4/5.0
- **Application field:** Mathematics
- **Elective Courses:** Fundamentals of AI, Introduction to Data Science and Statistical Thinking, Business Analytics and Machine Learning, Applied Regression, Patterns in Software Engineering
- **Bachelor's Thesis:** Quantifying Trade-Offs in the Blockchain Trilemma: Empirical Analysis in PoW-based Systems Towards Pareto-Optimal Configurations

Hochschule Kaiserslautern, Internationales Studienkolleg   Mar 2022 – Jun 2022

- GPA: 1.5/5.0
- Preparatory college for students whose secondary school certificate is not recognized as equivalent to the German Abitur.

SMAK 1 PENABUR Jakarta, High School Diploma   Jul 2018 – May 2021

- GPA: 91.64/100

Note: In Germany, the range of passing grades is from 1.0 to 4.0, where 1.0 represents the highest mark.

Experience

Working Student - IT Helpdesk, limango GmbH – Munich, Germany   June 2024 – Present

- Delivered desktop support and resolved technical issues across software, operating systems (Windows, macOS, Linux), and network environments.
- Managed user accounts, access permissions, and security settings using Active Directory.
- Supported onboarding/offboarding by configuring hardware and access for new and departing employees.

iPraktikum - iOS Developer, Interhyp Gruppe – Munich, Germany   Oct 2024 – Feb 2025

- Collaborated with a team of 8 developers in the "iPraktikum" course at TUM, led by the Chair of Applied Software Engineering in partnership with Apple.
- Developed a VisionOS app "HOMEvision" designed to help users find their dream home.

Projects

TaxiRL   GitHub

- Implementation of different Reinforcement Learning methods to solve the Taxi problem on OpenAI's Gymnasium environment.
- Tools Used: Python

Mori: Personal Money Diary

- A mobile Money Manager application written in Flutter. Designed to help users efficiently manage their finances with ease and convenience, whose main functionalities include bill splitting and comprehensive money management.
- Tools Used: Flutter

CensorBot   GitHub

- A simple profanity checker made using the Naive Bayes classifier from scikit-learn library. Datasets are made personally and enlarged with help of ChatGPT.
- Tools Used: Python

Slash Survivors   itch.io

- A top-down 2D pixel hack and slash game. Fight your way through endless waves of enemies and collect as much points as possible or work your way through objectives in normal mode.
- Tools Used: Godot

Technologies

Languages: Java, C, Python, Dart, R, Swift, HTML/CSS, JavaScript

Technologies: SQL, Node.js, Godot, Flutter

Organizations

KMKI Bayern (Indonesian catholic student organization in Bayern) - Food & Beverage Committee, Munich, Bavaria   Aug 2023 – Jul 2024

- Managed and organized teams of cooks and kitchen staff on events.

SMAK 1 Cup Committee - Band Competition Division, Jakarta, Indonesia   Oct 2020 - Dec 2020

- Assisted in finding, organizing and providing information to participants.

Languages

Indonesian (Native), English (C1), German (C1)