


# Diogo Musso Coutinho

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## Education

### Instituto Mauá de Tecnologia

FEB 2023 – DEC

2027 Bachelor of Computer Engineering - Merit-based Scholarship

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## Experience

### App Development

JUN 2024 – PRESENT

Developing an app with social network features that uses Firebase for recommending movies, series and games. Various APIs were integrated to collect data, and the project started in Android Studio but is now being developed with Expo and React.js.

### Advanced Web Scraping Knowledge

SEP 2023 – DEC 2023

Experience in web scraping using Python and Selenium, automating processes such as sending WhatsApp messages and collecting LinkedIn user data. A program was also developed to convert currency values using exchange rates obtained via web scraping.

### Website Development – Lodge Engenharia

JUN 2023 – AUG 2023

Completed the development of a website for Lodge Engenharia (lodge.com.br), responsible for both frontend and backend. I used JavaScript, HTML, and CSS to create a responsive and user-friendly interface, as well as implemented a login system.

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## Skills

**Languages:** Advanced English, Native Portuguese

**Programming Languages:** Python, HTML, CSS, C, Java, JavaScript, SQL, Proficient in Microsoft Office Suite (Excel, Word, PowerPoint)

**Web Development:** Creating responsive websites (HTML, CSS), automated web scraping (Python)

**App Development:** Android apps (Java, Firebase), API and database integration, as well as iOS and Android app development using Expo and React.js

**Data Structures:** Algorithms, manipulation, and optimization of data structures

**Databases:** Modeling, querying, and managing databases (SQL, Firebase)

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## Academic Projects

### Databases – AWS and Google

AUG 2024 – NOV 2024

Completed two specialized database programs, one by AWS and another by Google. These courses covered architecture, management, and optimization of cloud databases, focusing on best practices for data storage, querying, and scalability in high-performance and high-availability environments.

### Machine Learning – CodeAcademy

JUL 2023 – AUG 2023

Completed an intensive course in Machine Learning with Python through CodeAcademy, where I developed and trained a predictive model using linear regression techniques. The project involved a database with features related to apartments, such as size, location, and number of rooms, aiming to predict property prices based on these variables.