

# Henrique Machado

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[www.henriquecm.xyz/about](http://www.henriquecm.xyz/about)

## EDUCATION

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### Estácio de Sá

*Analysis and Develo*

January 2021 - December 2023

## WORK EXPERIENCE

### H&CO Technology

*Support Engineer & Business Consultant*

São Paulo, São Paulo, Brazil

August 2022- Present

- SAP Business One Expertise\*\*: Configured and customized Financials, Sales, Purchasing, Inventory, and CRM modules, optimized SQL queries, and generated reports using Crystal Reports and Excel.
- Customer Support & Integrations\*\*: Provided support to 100+ customers, resolved technical issues via Jira and TomTicket, and integrated add-ons like TaxPlus and T10 Extreme.
- System Optimization & Training\*\*: Conducted 200+ tests, developed user manuals, led training sessions, and optimized workflows to improve efficiency and ensure smooth SAP operations.

### Coopercitrus

*Business Consultant*

City, State, Country

Summer 2014

- SAP S/4 HANA Expertise: Strong knowledge of key modules, business processes, and data management.
- Support & Training: Provided first-level support, trained users, and documented system usage.
- System Optimization: Tested new features, suggested improvements, and collaborated with IT teams.

## MAJOR PROJECTS

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### Computer Science FlashCards

February – March 2025

*A full-stack application designed for reviewing and studying general concepts, coding, and computer science topics, providing an interactive and structured learning experience.*

- A full-stack flashcard application built with FastAPI, designed to help users review and master coding, computer science, and general concepts efficiently.
- Integrated with Supabase for seamless data management, allowing users to create, organize, and study flashcards with a dynamic interface and spaced repetition.
- Deployed on Render, ensuring smooth performance, accessibility across devices, and a responsive user experience for effective learning anytime, anywhere.

### BiteCast AI

January – March 2025

*AI-powered summarizer for YouTube videos and podcasts, extracting key insights for quick and efficient learning.*

- Built with FastAPI, Next.js, and TypeScript, the project uses advanced algorithms to provide concise summaries of YouTube videos and podcasts.
- Utilizes the YouTube Transcript API to automatically fetch and process video transcriptions for accurate summarization.
- The Next.js frontend ensures a responsive, smooth user experience, enabling easy access to summarized content anytime, anywhere, and is deployed on Render for reliable performance.

### DevUtils

December 2024 –

March 2025

*A collection of essential tools to streamline your development workflow.*

- Developed DevUtils, a collection of fast, free, and open-source tools designed to simplify developers' tasks, providing utilities like JSON Formatter, Base64 Encode/Decode, and UUID Generator.
- Included a variety of features such as URL Encode/Decode, Hash Generator, Secure Password Generator, and CSV to JSON conversion to support various development needs.
- Focused on providing a seamless, ad-free user experience for developers, making complex tasks like data formatting and encryption more efficient and accessible.

## SKILLS

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### PROGRAMMING LANGUAGES

6 months: Python

### AWARDS

### TECHNOLOGIES

FastAPI, Django, RestAPI's, Deployment AWS/Render, Supabase, HTML, CSS, JavaScript.

### ONLINE COURSES

Data Structures and Algorithms in Python (DataCamp, Mar 2025)

Mastered the fundamentals of data structures and algorithms in Python, including lists, stacks, queues, trees, and sorting/searching algorithms to optimize problem-solving.

Foundations of Git (DataCamp, Mar 2025)

Learned key version control principles, including Git logs, branch management, conflict resolution, and commit structures to maintain clean, collaborative projects.

Intermediate Python for Developers (DataCamp, Mar 2025)

Gained practical skills in data manipulation, custom functions, lambda expressions, exception handling, and writing scalable Python code.

Introduction to Object-Oriented Programming in Python (DataCamp, Mar 2025)

Learned OOP principles including classes, inheritance, polymorphism, and abstraction to build modular, reusable, and scalable Python applications.

Communicating Data Insights (DataCamp, Feb 2025)

Focused on translating data into actionable insights using graphs and data storytelling techniques for better business decision-making.

Introduction to Data (DataCamp, Feb 2025)

Covered data fundamentals such as structured and unstructured data, the data life cycle, and its applications in business and decision-making.

Introduction to Python for Developers (DataCamp, Feb 2025)

Covered basic Python concepts including variables, data types, loops, functions, and automating tasks with hands-on coding exercises.

Understanding Cloud Computing (DataCamp, Feb 2025)

Explored cloud concepts, service models, deployment models, and cloud providers like AWS, Google Cloud, and Microsoft Azure.

Analyze Data with SQL (Codecademy, Mar 2022)

Developed SQL skills to query, filter, and aggregate data for strategic analysis using Microsoft SQL Server and SQL Server Management Studio.