

# Caio Montilha

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Portfolio: [cmontilha.github.io/CaioPortfolio/](https://cmontilha.github.io/CaioPortfolio/) | [linkedin.com/in/caio-montilha](https://linkedin.com/in/caio-montilha) | [github.com/cmontilha](https://github.com/cmontilha)

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## Profile:

- Full-Stack Developer with knowledge of programming languages, data analysis, algorithms, and software development, with a strong problem-solving mindset.
  - Skilled in developing web and mobile applications, applying algorithmic thinking and modern technologies to deliver efficient, user-centered solutions with a focus on clean, scalable code.
  - Fluent in Portuguese and English; basic Spanish, enabling communication in multicultural teams.
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## Education:

**Hanover College, USA**, January 2022 – May 2025

- Major: Computer Science and Business
  - GPA: 3.4, Dean's List, 2024, 2025
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## Skills:

- Programming Languages – Experienced in Python, Kotlin; familiar with Java, C++, R
  - Web Development – HTML, CSS, JavaScript, TypeScript, React, Node.js
  - Database Management – SQL (MySQL, PostgreSQL, Supabase); NoSQL (MongoDB, Firebase)
  - Algorithms and Data Structures – Algorithm Analysis, Sorting and Searching Algorithms, Dynamic Programming, Arrays, Lists, Stacks, Queues, Linked Lists, Trees, Graphs
  - Software Development Tools – GitHub, Maven, Docker, Kubernetes, PowerBI, Looker Studio, Gradle, Kali Linux, macOS, VirtualBox, UTM, Unity, Android Studio, Artificial Intelligence
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## Experience:

**HUB Brasil – Data Analyst & AI Developer**, August 2025 – January 2026

- Designed and maintained analytical dashboards in Looker Studio and Power BI, developing advanced SQL queries to monitor marketing performance and operational metrics, while guiding teams on best practices for AI and automation usage.
- Developed a backend coupon mining application using Python, PostgreSQL, and Google Cloud, that improved data ingestion reliability and reduced processing costs by approximately 29 percent.
- Built the AI Campaign Dashboard, a full-stack platform that includes notification workflows and performance metrics to support marketing operations and campaign analysis.

**RideSharingHC – App Development, Senior Seminar**, August 2024 – February 2025

- Developed RideSharingHC, a community ridesharing app for university students, featuring secure user authentication, and in-app messaging to enhance safety and convenience.
- Integrated Google Maps and enhanced features based on user feedback, resulting in an optimized experience and a recommendation letter from the College President for community impact.

**Data Organization – National Park Service (NPS)**, August – December 2022

- Managed databases using SQL and MySQL for efficient data analysis and organization.
  - Developed Python scripts and SQL queries to automate the extraction and cleaning of large datasets.
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## Volunteering:

**Full-Stack Developer**, Centre for Youth and Sustainable Development, January 2025 – May 2025

- Built a responsive website with MIVEG to promote the education and health of girls in Cameroon.

**Front-End Developer**, Koenig Childhood Cancer Foundation, March – August 2025

- Improved website accessibility and engagement to support donations/aid for children with cancer.
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## Technical Expertise:

- Experienced in Full-Stack Development, Algorithm Analysis, Web & Mobile Development, Software Engineering, Data Structures, Data Wrangling, Networking, and Cloud Computing.
  - Developed scalable web applications using HTML, CSS, JavaScript, and TypeScript, focusing on code efficiency, user experience, and system performance.
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## Certifications:

**Oracle OCI Generative AI Professional Certification**, Oracle, September 2025

- Acquired knowledge in AI infrastructure, deployment, and operational standards for AI solutions.

**IBM AI Developer Professional Certificate**, Coursera, December 2024 – April 2025

- Completed a 10-course program focused on AI, generative AI, and full-stack development.

**IBM Full Stack Software Developer Specialization Certificate**, Coursera, September 2025

- Developed practical full-stack skills across Python, JavaScript, SQL, and cloud deployment.