

| **VICTOR S. S. BARROS**  AI | Machine Learning Engineer  I have more than 30 years of experience in the Information Technology area.I have extensive experience as a systems analyst,programmer and information systems consultant, working on developments. I have dedicated myself to the area of Machine Learning. |  |
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| Languages |
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| * English (Advanced professional) * Portuguese (Native**)** |

| Professional Experience |
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| **Full-Stack Developer | Machine Learning Engineer | Data Analyst**  SORRAB COMPUTATION, SP- Brazil  *July 1997 - Present*   * Led teams in the successful delivery of several projects, strong problem-solving skills and ability to work in a collaborative environment, resulting in customer satisfaction. * Developed and maintained project plans, ensuring timely completion of milestones. Worked as an IT consultant, programmer analyst in C, C#, C++, Delphi IntraWEB and Java - J2EE. * Development of financial administrative systems for companies, a loan control system developed in Java - J2EE (Eclipse and JBoss), an academic control system developed in Java - J2EE (Eclipse and JBoss), ERP systems developed in C# .NET or Delphi and for a real estate company, a property demonstration system (Delphi IntraWEB), allowing searches and navigation within buildings, reducing the number of visits. * Implementation of dashboards for analysis of company data, in order to generate business ideas.   **Full-Stack Developer | Machine Learning Engineer and Prompt Engineer**  Avanade Brasil, SP- Brazil  *August 2022 - April 2024*   * Full-Stack C# Developer - Hospital Israelita Albert Einstein.   + Creation of endpoints for access to the SQL database and API integration. * Machine Learning Engineer and Prompt Engineer - Grupo Fleury.   + Training a Neural Network (Python) to classify exam images and subsequently extract information (ChatGPT).   **Tutor**  CEDERJ - RJ Science and Distance Learning Center  *July 2006 - December 2013*   * Tutor of the subjects Architecture and Systems Design 1, Systems Engineering, Programming (Pascal), Language 1 (Delphi), Fundamentals of programming, Design and Development of Algorithms, Data Structures, Construction of WEB pages and Introduction to Computing.   **Professor**  Unilagos College, UNILAGOS, RJ- Brazil  *July 2005 - December 2012*   * Professor of Applied Computing, teaching how to research and create a project and present it.   **Professor**  CEFET CAMPOS, RJ- Brazil  *May 2007 - December 2009*   * Teacher: Database, Data Structure, Project Analysis, Programming Language - Delphi, Programming Logic, Object-Oriented Programming, Low-Level Programming - Assembly, Visual Basic. |
| **Trainee**  LNCC - National Scientific Computing Laboratory, RJ- Brazil  *March 2004 - December 2004*   * Internship in the development of a scientific system, programmed in C language, to predict slope runoff, using a geographic database run on a computational Grid with WebServices (GridServices).   **IT consultant**  CORFA - Reserve Officers Club, RJ- Brazil  *February 2004 - September 2004*   * Development of a system for administrative control responsible for bank control of partners and real estate financing.   **Aviation electronics technician**  PAMAGL - Galeão Aeronautical Material Park, RJ- Brazil  *July 1994 - March 1997*   * Electrical metrology technician responsible for metrological test automation (analysis, design, programming and implementation in C language). Responsible for installing (software and hardware) a network of 120 computers. |
| Education |
| **Higher - Geoprocessing Technology**  FATEC - Faculty of Technology, Jacareí - SP *February 2020 - In progress*  **Master's Degree in Computing - Computer Vision using Geometric Algebra**  UFF - Fluminense Federal University, Niterói - RJ*June 2011 - December 2013*  **Postgraduate - Higher Education Teaching**  Unilagos College, UNILAGOS, Araruama - RJ*March 2009 - July 2010*  **Higher - Degree in Mathematics**  UFF - Fluminense Federal University, Niterói - RJ*July 2003 - June 2007*  **Bachelor of Information Systems**  UNIGRANRIO - University of Grande Rio, Silva Jardim - RJ*March 2000 - November 2004* |
| Certifications |
| 1. DP-900: Microsoft Azure Data Fundamentals 2. AI-900: Microsoft Azure AI Fundamentals 3. AZ-900: Microsoft Azure Fundamentals 4. SC-900: Microsoft Security, Compliance, and Identity Fundamentals 5. MS-900: Microsoft 365 Fundamentals 6. PL-900: Microsoft Power Platform Fundamentals 7. MB-910: Microsoft Dynamics 365 Fundamentals (CRM) 8. DP-100: Designing and Implementing a Data Science Solution on Azure 9. AI-102: Designing and Implementing a Microsoft Azure AI Solution 10. PL-100: Microsoft Power Platform App Maker 11. PL-300: Microsoft Power BI Data Analyst 12. PL-400: Microsoft Power Platform Developer 13. PL-600: Microsoft Power Platform Solution Architect |

| Professional Development |
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| **Artificial Intelligence**  INPE - National Institute for Space Research, São José dos Campos - SP *March 2000 - July 2022*   * Analysis of statistical data from Sentinel 1 and 2 satellites for land cover and land use classification in the Amazon region: This work aims at the exploratory analysis of statistical attributes of Sentinel-1 and Sentinel-2 satellites in order to analyze the possibility of classifying the use and land cover, in a specific region, through a Deep Neural Network (DNN), using Big Data from collection 6 of MapBiomas as a reference parameter, which would allow the monitoring of changes in a shorter period of time. * Repository and article: <https://github.com/vicssb/Artificial-intelligence-in-INPE---2022>   **Various Bootcamps**  Digital Innovation One 2021 - 2024   * Link: <https://www.dio.me/users/vicssb>   **Big Data, Data Science, Data Analysis, Microsoft Power BI and AI**  Data Science Academy *March* 2020 - *November 2020*  **3D Graphics Systems**  IMPA -National Institute of Pure and Applied Mathematics Association *January* 2007 - *July 2007* |

| Skills | | |
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| * Project Management * Agile & Scrum Methodologies * Collaborative Environment | * Stakeholder Management * Team Leadership * Microsoft Project | * Teach * Communication * Problem-Solving |

| Software Skills | | |
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| * Python * Java * CUDA * C / C++ / C# * R / MATLAB | * Generative AI * Amazon Bedrock * ChatGPT * Azure OpenAI Studio * Azure Machine Learning | * SQL * Power BI * Object orientation * Linux * Computer Vision |

| **Awards & Honors** | | |
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| **HONORABLE MENTION IN THE STATE MATHEMATICS OLYMPIAD**  IMPA - National Institute of Pure and Applied Mathematics Association *August 1992* | | |