JOHN V PEREIRA

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EDUCATION

UNIVERSITY OF AKRON — Akron, OH

BBA in Information Systems | Minor: Computer Science — Expected: Dec 2026

Artificial Intelligence and Machine Learning – Undergraduate Certificate

Relevant Coursework: Applied ML, AI & Heuristic Pgmg, Computer Science I & II, Database Mgmt, Systems Analysis & Dsgn

WORK EXPERIENCE

EXTERN — Remote

AI & Machine Learning Extern, Outamation Inc. — Sept 2025 – Present

- Build Python pipelines (PyPDF2, PyMuPDF, pdfplumber) to extract key data from unstructured PDFs.
- Apply NLP + LLMs (HuggingFace, LlamaIndex, FAISS) to develop AI-powered document search tools.
- Implement OCR + computer vision methods (Tesseract, EasyOCR) for accurate mortgage data parsing.
- Design Retrieval-Augmented Generation (RAG) pipelines to enhance large-scale document retrieval.
- Prototype Gradio chatbot integrating RAG pipelines, enabling interactive PDF-based Q&A systems.

UNIVERSITY OF AKRON SCHOOL OF LAW — Akron, OH

Student Technology Assistant — Aug 2025 – Present

- Provide IT support via ManageEngine, resolving hardware, software, and network issues for 100+ users.
- Troubleshoot and maintain A/V systems (Zoom, projectors, microphones) to ensure seamless classes.
- Install, configure, and update Windows/macOS devices and classroom equipment to maintain stable IT infrastructure.
- Maintain classroom technology with minimal disruptions, ensuring reliable teaching environments.

MFS SUPPLY — Solon, OH

IT Intern — May 2025 – Aug 2025

- Built a NetSuite calendar in JavaScript to track purchase orders and improve order visibility and tracking efficiency.
- Designed Freshdesk automations, canned replies, and workflows, cutting manual workload and speeding responses.
- Resolved 100+ IT tickets monthly while supporting 250+ employees across hardware and software.
- Repaired and maintained 10+ machines weekly, minimizing downtime and ensuring reliability.
- Delivered responsive Tier 1 end-user support, enhancing IT service efficiency across the company.

SUPERMERCADO BRAZIL — Pista Branca, PA Brazil

Systems Engineer Intern — May 2021 – Aug 2021

- Conducted IT infrastructure audit, implementing fixes that cut recurring technical issues by 30%.
- Supported ~15 employees including the CEO, providing responsive IT assistance across operations.
- Repaired 3–4 computers weekly, improving system reliability and minimizing workflow disruptions.
- Trained staff on data entry and reporting best practices, reducing errors and boosting accuracy.

PROJECTS

BEST-SELLING BOOK PREDICTOR ➤

- Built ML models (Linear Regression, Random Forest) using Python, Pandas, scikit-learn, seaborn.

PYTHON SPACE INVADERS GAME ➤

- Developed a 2D arcade game with Python, Pygame, and OOP design principles.

ADDITIONAL

Programming Languages: Python, C++, C#, .NET, SQL (MySQL, SQLite, Oracle)

Tools & Platforms: Git/GitHub, SQL Developer, Oracle Data Modeler, Excel (Pivot Tables, Data Analysis), Tableau, Alteryx, JMP, Microsoft Admin Portal, NetSuite, Freshdesk Automations

Certifications: Introduction to AI with Python (Domestika)**,** Learning Git and GitHub (LL), SQL Essential Training (LL)