Nestor Gomez Artiles

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EDUCATION

Lawrence Technological University   **Southfield, Michigan**
B.S. in Computer Science   *Expected Graduation, December 2027*
- o   **Concentrations:** Software Engineer / Artificial Intelligence
- o   **Minor:** Mathematics
- o   **GPA:** 4.0

EXPERIENCE

Lawrence Technological University   **Southfield, Michigan**
Research Assistant   *Present*
- AI Music and Voice Research: Research Assistant at LTU, focusing on AI-driven music generation, voice synthesis, and speech modeling
- Deep Learning & Sound Processing: Exploring deep learning techniques to create expressive, human-like sound and innovative AI-composed music, and contributing to research in AI-driven sound processing

Technical Experience
Python and Full-Stack Developer   *Present*
- Designed and deployed a personal portfolio website using Django, HTML, CSS, and JavaScript, hosted securely on an Ubuntu server with automated CI/CD pipelines for seamless updates and deployment.

PROJECTS

Robot Project   **High School**
Team Leader   *Sep 2022 – June 2023*
- Led a team of students in designing and building a 3D robot with autonomous capabilities using C++.
- Collaborated with team members on hardware and software integration, ensuring seamless communication between sensors and motors.

MRI Tumor Prediction
Personal Project
- Developed a full-stack website that incorporates a machine learning model to detect and classify tumors using MRI scan.
- Cleaned and preprocessed MRI datasets to ensure high-quality data for model training.
- Applied advanced classification algorithms and optimized hyperparameters for better accuracy.

CERTIFICATIONS

Harvard University   **ONLINE**
Web Programming (Professional Certificate)

Harvard University   **ONLINE**
Machine Learning and AI with Python (Certificate)

Harvard University   **ONLINE**
Python Programming (Professional Certificate)

Harvard University   **ONLINE**
Cybersecurity (Professional Certificate)

Columbia University   **ONLINE**
Corporate Finance (Professional Certificate)

SKILLS

Programming: Python, JavaScript, C++, C, R, HTML/CSS
Web Development: Django, Flask, Git, CI/CD (GitHub Actions, Docker)
Machine Learning & AI: TensorFlow, Scikit-learn, OpenCV
Databases: PostgreSQL, MySQL
Cloud & DevOps: AWS, Ubuntu Server Management, Docker
Robotics & Embedded Systems: Arduino, 3D Modeling (Autodesk)

Last edit: 03/08/25