Thomas Motais De Narbonne

🏠 Edgewater, NJ | ☎ (201) 554-9081 | ✉ tmd.nyu@gmail.com | 🔗 thomasmotaisportfolio.net | 🔗 LinkedIn | 🔗 GitHub

EDUCATION

New York University, Tandon School of Engineering   Expected Graduation: May 2028
- Bachelor of Science in Computer Science, GPA: 3.4/4.0
- Relevant Courses: Computer Architecture & Organization, Object Oriented Programming, DSA, Discrete Mathematics

Leonia High School   Jun 2024
- Regents Diploma with Advanced Designation, GPA: 4.7/4.0
- Awards & Honors: Principal's List (All 4 Years), VP of Science Honors Society, Treasurer of Math Honors Society

WORK EXPERIENCE

Giorgio Armani − *IT Intern*   Jun 2025 - Jul 2025
- Provisioned users and devices across the Americas using Active Directory, Azure, and Microsoft 365, including role-based access and licensing (F3/E5)
- Built and deployed laptops, tablets, printers, RFID scanners, and networking equipment using imaging scripts and PDQ Deploy for 9 retail store launches
- Collaborated with networking and cybersecurity teams to troubleshoot connectivity and access issues using Zscaler and Cisco tools across offices and retail locations
- Improved internal workflows by replacing error-prone email processes with a structured JotForm system

Flemings − *Host*   Jun 2024 - Sep 2025
- Supported front-of-house operations at a high-end restaurant, coordinating reservations, guest flow, and guest services, and assisting with high-volume seating logistics during peak nights and holidays.

AI-Camp − *Software Engineering Intern (Guided Program)*   Sep 2023 - Dec 2023
Project Repository: *github.com/Manasee27/Youtube-Video-Transformation-and-Recommendations-Algorithm*
- Built an AI-driven content optimization system that analyzed YouTube retention data to automatically generate engaging 40–60 second short-form videos for social networks
- Built a speech-to-text transcription pipeline using OpenAI Whisper, including dataset preparation, batch processing, and integration into downstream NLP workflows

EXTRACURRICULAR & PROJECTS

Automated AI Content Generation & Publishing System   Apr 2025
- Built an end-to-end automation pipeline to generate, render, and publish short-form videos using local LLM inference, text-to-speech, and media processing
- Orchestrated reliable, unattended workflows using a self-hosted n8n instance with scheduling, concurrency control, and conditional execution
- Integrated a locally hosted Meta Llama 3.1 8B model and a Python video pipeline using MoviePy, Whisper, and FFmpeg; optimized processing time from ~30 to ~20 minutes

Windows Tray Power Management Utility   Dec 2025
- Developed a Windows tray application to control system sleep and display states with configurable timing
- Implemented background execution logic to allow processes to continue running while managing power and screen states

Chatham Computer League Hackathon (Education Theme) − *1st Place Winner*   May 2023
- Built a classroom-safe input moderation tool that detects inappropriate terms (1,200+ word dataset) and automatically blocks/disables the active window to prevent misuse

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, SQL (MySQL, PostgreSQL)
Web/Frameworks: HTML, CSS, React, Flask
Tools & Systems: Git/GitHub, Linux, Windows, PowerShell, Azure, Supabase, Jupyter, n8n
Languages: English (Fluent), French (Fluent), Japanese (Fluent)