Aaditya Srinivasan

AI & DATA SCIENCE STUDENT

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gh GITHUB
github.com/aaditya079

■ PORTFOLIO
aaditya079.github.io/portfolio

TECH SKILLS

LANGUAGES

Python | Rust | C# | TypeScript | JS | SQL | Java

DATA SCIENCE & AI

scikit-learn | Pandas | NumPy | Matplotlib | Seaborn | Power BI | Multi-Agent | Ollama

WEB & SYSTEMS

React | Next.js | egui | FastAPI | Node.js | Tailwind | WinRT OCR | rodio | REST APIs

HARDWARE / IOT

Arduino | PIR Sensors | Control Loops

TOOLS & INFRA

Git/GitHub | Docker | SQLite | Linux | Vite | Google Cloud

CERTIFICATIONS

Programming in Java
IIT / NPTEL • 2025

Basic Blockchain & Apps
IIT / NPTEL • 2025

Web Tech & Multimedia
IIT / NPTEL • 2025

PROFESSIONAL SUMMARY

Driven 2nd-year AI & Data Science student specializing in autonomous multi-agent orchestration, high-per
native desktop applications, and offline-first developer tooling. Possesses hands-on experience building br
LLM consoles with local Ollama swarms, lightweight native audio engines in Rust, exploratory data analysi

EDUCATION

B.Tech in Artificial Intelligence & Data Science — 2024 — 2028
SRM Madurai College of Engineering and Technology — Current: 2nd Year, 4th Sem
- Focused on foundational AI principles, advanced data structures, systems architecture, and practical machin

TECHNICAL PROJECTS

NEURALIS — Multi-Agent Developer Console — 2026
Browser-Native AI Systems | Live: aaditya079.github.io/NEURALIS
- Architected a browser-native workspace for simulating, orchestrating, and evaluating multi-agent AI workflows.
- Engineered hybrid execution supporting local Ollama models alongside cloud LLMs with sub-second tool teleme
- Built autonomous loops for real-time code generation, AST code review, and interactive security audit verificatio

JavaScript | Multi-Agent Swarm | Ollama | LLM Console

BitChord PC — Native YouTube Music Desktop Client — 2026
Systems & Audio Engineering | github.com/aaditya079/BitChord-PC
- Engineered a blazing-fast native YouTube Music desktop client in Rust & egui with rodio hardware-accelerated
- Completely eliminated Electron overhead, slashing RAM consumption by 85%+ with instant sub-second startup
- Designed transparent open-source attribution model with cross-platform desktop integration and media keys.

Rust | egui | rodio | Desktop App

ImgSeek — High-Performance Offline Text Finder — 2025
OCR & Desktop Tooling | github.com/aaditya079/ImgSeek
- Built a Windows desktop tool running bulk OCR across image folders using native Windows.Media.Ocr — zero
- Engineered recursive image scanner indexing 10,000+ screenshots under 1.5s with auto-generated HTML light
- Implemented a zero-cost local text extraction pipeline demonstrating practical NLP-adjacent retrieval.

C# | .NET 6 | WinRT OCR | SQLite | HTML

GitSynth — Reactive Glassmorphic Profile Builder — 2025
Web Tooling | github.com/aaditya079/gitsynth | Live: aaditya079.github.io/gitsynth
- Architected a client-side GitHub Profile README builder with real-time reactive rendering — no frameworks, ze
- Integrated dynamic shields.io badge catalog matrix with live markdown preview compilation and one-click expor

HTML5 | CSS Grid | JavaScript | GitHub Pages

Steam Games EDA Pipeline — 2025
Data Analysis & Visualization | github.com/aaditya079/steam-eda
- Engineered an exploratory data analysis pipeline processing and cleaning a dataset of 114k+ Steam games.
- Uncovered market insights (0.015 price-rating correlation) and designed 5 visualizations illustrating genre pricin

Python | Pandas | NumPy | Seaborn | Matplotlib

Automated Room Occupancy Detector — 2025
Embedded Systems & IoT
- Developed and deployed an IoT-based room occupancy detection system utilizing PIR motion sensors to track
- Programmed control logic loops in Python to process hardware sensor inputs and automate environmental state

Arduino | PIR Sensors | IoT | Python

KEY ACHIEVEMENTS

3rd Place — Bug Busters Coding Competition — 2025
Dr. N.G.P. Institute of Technology, Coimbatore
- Secured 3rd place out of regional collegiate teams in a high-intensity programming and algorithmic contest.
- Collaborated in a 2-member team solving custom, complex coding problem sets under strict time constraints.