

Arnav Daultani

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EDUCATION

New York University, Tandon School of Engineering

New York, NY

Bachelor of Science in Computer Science; Minors in Data Science and Mathematics.

May 2029

NYU Tandon Dean's List (2025-26) GPA: 3.87 / 4.00.

Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Object-Oriented Programming, Discrete Mathematics, Probability and Statistics, Computer Architecture, Principles of Data Science

On-Campus Activities: NYU Self-Drive, Spring 2026 Team Lead; OSIRIS Lab Member, NYU Admissions Student Ambassador

Obero International School

Mumbai, India

International Baccalaureate Diploma, 41/45. Higher Level: Computer Science, Mathematics AA, Economics.

Jun 2025

TECHNICAL SKILLS

AI / Machine Learning: PyTorch, TensorFlow, NumPy, Pandas, Matplotlib, OpenCV, YOLOv8, EasyOCR, Qwen3-VL, LLM APIs (Claude, GPT, Gemini), Model Context Protocol (MCP)

Languages: Python, JavaScript, TypeScript, Java, C, C++, Rust, SQL

Web & Backend: React, Next.js, FastAPI, Redis, PostgreSQL, REST APIs

Tools & Cloud: Docker, AWS, Git

RELEVANT EXPERIENCE

Product Management Intern

Jul 2026 – Present

AEREM Group, Net Zero Lending

Mumbai, India

- Audited the solar EPC loan origination flow across 6 stages, flagging 4 drop-off and manual-handoff points for remediation.
- Scoped product fixes across intake, underwriting, and disbursal, prioritizing 2 by borrower impact and engineering effort.

AI & Forensics Intern

May 2026 – Jul 2026

EY (Ernst & Young), Forensic & Integrity Services

Mumbai, India

- Built and deployed a computer vision pipeline using YOLOv8 and EasyOCR to extract Vehicle Identification Numbers from insurance-claim videos, achieving a 96% extraction accuracy for an Indonesian automotive client.
- Integrated Qwen3-VL for multimodal (videos, documents, images) VIN verification via FastAPI with consensus-voting validation, reducing per-claim manual review time by approximately 80%.
- Fine-tuned ML models on client-specific data and shipped the system to production, generating audit-ready PDF reports.

GIS & LiDAR Intern

Aug 2023

Navi Mumbai Municipal Corporation

Navi Mumbai, India

- Analyzed 500+ properties via GIS and LiDAR for NMMC construction code compliance, cutting verification time by over 30%.
- Developed a Python script to cross-reference GIS data against land tax records, flagging boundary violations across 400+ properties and saving roughly 45 hours of manual review per week.

PROJECTS

Truvio, Generative Engine Optimization (GEO) Platform

Jun 2026

Next.js, FastAPI, Redis, Claude / ChatGPT / Gemini APIs

- Built a full-stack platform auditing how brands surface across LLM answer engines (ChatGPT, Gemini, Claude), orchestrating three model APIs behind a single audit engine.
- Designed a three-stage agent pipeline: brand context extraction from a URL, automated prompt creation, and mention analysis that scores how the brand surfaces in each response.
- Deployed publicly, reaching 200+ waitlist signups and 600+ unique visitors, running 500+ automated brand visibility audits.

Mapping UC Berkeley, Campus Navigation System

Jun 2024

*Python, A**

- Led a team of 3 to build a Google Maps-style campus navigation system using A* pathfinding, with a dynamic-avoid feature excluding user-defined zones from routes.

Brain, Custom Programming Language

Mar 2022

Rust

- Built a compiler from scratch in Rust implementing the lexer, parser, semantic analysis, and error handling for a custom language supporting arithmetic and variables.