

Alex Abraham

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EDUCATION

B.S. in Computer Science, CUNY City College of New York

GPA: 3.7/4.0 | Dean's List (5 semesters) | Scholar-Athlete Honor Roll

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Machine Learning, Computer Networks

WORK EXPERIENCE

Freelance Web Developer, Self-Employed

Jan 2026 - Present

- Designed and deployed marketing site for Atlanta trucking company using Next.js, TypeScript, and Tailwind CSS
- Built serverless contact API with Resend integration, form validation, and custom HTML email templates
- Implemented responsive UI with animated statistics, optimized images, and mobile-friendly design on Vercel

Software Engineer, Gametime Sports NY

Jul 2025 - Present

- Redesigned pages with custom CSS/HTML by removing redundant elements, improving UX for 35K+ annual visitors
- Resolved critical issues including SSL expiration, PHP upgrades, and performance bottlenecks from plugin bloat
- Maintain WordPress platform serving 14 teams and 227 players with 483K+ annual page views

Cyber Analyst Intern, Metropolitan Transportation Authority

Jun 2025 - Aug 2025

- Built Power Automate workflows to track SSO app deletions and sync metadata for 100+ Entra ID apps
- Migrated 126 admin accounts to Protected Users group in 5 phases, eliminating NTLM vulnerabilities
- Automated BeyondTrust password rotation alerts for 100+ employees using Power Automate workflows

IT Support Technician Intern, Mobile Fix NYC

Sept 2021 - Aug 2024

- Repaired 2,500+ Chromebooks for 130+ schools through independent troubleshooting and hardware diagnostics
- Documented repair workflows and executed terminal commands for serial number modifications and OS installations

PROJECTS

Maternisense: Fetal Health Platform | Pfizer Hackathon, 1st Place

- Developed full-stack fetal health platform using React, Flask, and Firebase with real-time prediction dashboards
- Built ML model with TensorFlow achieving 98% accuracy in fetal health prediction from EMG, IMU, and ECG data

TrainTrip: Offline-First Transit App | Personal Project

- Built offline-first LIRR transit app using React Native and TypeScript, parsing GTFS static feeds for schedule access
- Integrated Firebase authentication and AsyncStorage with automatic feed updates for schedule data and user favorites

TRAINR: AI-Powered Personal Trainer | Senior Capstone Project

- Built fitness app using React Native, FastAPI, and Supabase, with YOLO pose estimation for real-time form correction
- Developed microservice architecture, integrating Gemini APIs for nutrition analysis and adaptive education

ADDITIONAL INFORMATION

Programming Languages: JavaScript, Python, C++/C, Java, SQL

Tools & Platforms: Git, Vercel, Firebase, Supabase, WordPress, Office 365 Power Platform

Frameworks/Libraries: React, React Native, Node.js, Next.js, Scikit-Learn, TensorFlow

Certifications: Cornell University Machine Learning Foundations