ARISTOTELIS THEOCHAROULAS

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TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL, C
Frameworks and tools: React, React Native, Expo, Node.js, Firebase, Git, Docker, Linux/Bash
Data and engineering: REST APIs, Firestore, Cloud Functions, Pandas, NumPy, scikit-learn, PostgreSQL, pytest

EXPERIENCE

AI Application Developer (Project) | MapleJet, Aurora, ON May 2026 – Present

- Built “Mr. H,” an AI support chatbot in Botpress Cloud, translating industrial printer support requirements into guided conversations and model-specific knowledge retrieval.
- Implemented user identification and detail capture with Botpress Tables, validation, and upsert workflows; routed requests across troubleshooting, installation, connectivity, and ordering.
- Constrained support answers to approved product documentation and added fallback handling when the knowledge base lacks an answer.

Freelance Web Developer | Self-employed, Remote Sep 2024 – Present

- Build responsive web applications with React and TypeScript, connecting REST APIs and Firebase authentication, real-time data, and backend services.
- Improved page-load performance by approximately 20–30% through lazy loading, rendering changes, and more efficient state handling.

PROJECTS

FitAdapt (in development) | Python, pytest, statistical modeling | github.com/aristostheo/fitadapt

- Developed a versioned fitness planning engine with typed domain models for profiles, observations, energy estimates, calorie targets, and personalized macro plans.
- Implemented reproducible synthetic histories, calendar-aware trend analysis, data-quality checks, and adaptive expenditure estimates from weight and intake observations.
- Built an entry-by-entry planning progression that preserves lifecycle evidence and recommendation outputs in immutable snapshots; tested the calculation and progression rules.

AI-Powered Fitness & Nutrition Platform | React, React Native, Expo, TypeScript, Firebase

- Built web and mobile fitness features for workout, nutrition, hydration, and progress tracking, with synchronized Firestore data and persistent user profiles.
- Integrated AI-powered workout generation, meal scanning, meal recommendations, and natural-language logging through Cloud Functions and structured outputs.

SpaceX Landing Prediction | Python, Pandas, scikit-learn, SQL, Folium, Plotly

- Built an end-to-end machine-learning workflow to predict Falcon 9 first-stage landing success using launch, payload, orbit, and landing-site features.
- Cleaned and transformed launch data, performed exploratory analysis, and evaluated classification models to compare predictive performance.
- Created interactive visualizations and maps with Folium and Plotly to analyze launch-site patterns and mission outcomes.

EDUCATION

BSc (Honours), Computer Science | York University, Toronto, ON 2020 – 2024

IBM Data Science Professional Certificate | Coursera, 2025