

Arnav Palawat

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EDUCATION

Westford Academy

High School Degree — Coursework pertinent to **Computer Science** and **Finance**

- Cumulative GPA: 3.905

Westford, MA

Projected June 2026

PROFESSIONAL EXPERIENCE

State Street Journal

June 2024 – Present

Financial Analyst Intern

United States

- 1 of 10** interns accepted into a competitive program with over **50** applicants (~20%)
- Built **DCF Valuations** and **Comparables Analysis** models in **Excel** with future cash-flow projections to analyze company valuations and project overvaluation or undervaluation given the current market cap valuations
- Analyzed company SEC **10-K** and **10-Q** filings' balance sheets and financial reports to build cash-flow projections

Dugree

June 2024 – Present

AI/ML Research Intern

Bay Area

- Writing a research paper to answer: "How can prompt engineering be utilized within a Retrieval-Augmented Generation (RAG) framework to optimize the retrieval process and enhance the LLM's ability to solve variations of optimization problems based on provided solutions?"
- Presented preliminary research findings regarding **DRL in Quantitative Trading** to graduate level students

Internhs, Inc

May 2024 – Present

Founder & President

Westford, MA

- Official Incorporated Nonprofit**; its purpose is to allow high school students to experience the workplace early
- Deployed a **Flutter** built front-end, managed **authentication** and **500K+** read and write operations on Firebase
- Built an **Ubuntu** server on **Digital Ocean** to route HTTP requests to Python scripts using **Gunicorn** and **Flask**
- Created a **Python** script using **scikit-learn** that uses **tokenization**, **tfdif matrices**, and **cosine similarity** to parse through user dislikes and wish-listed items to develop a tailored recommendation algorithm

Merciero

Dec. 2023 – Jan. 2024

Founder and Sole Proprietor

Westford, MA

- Generated **\$800** in revenue within a span of 4 weeks through an e-commerce business providing men's jewelry
- Garnered over **8,000** people's attention by executing comprehensive social media **marketing** campaigns involving **A/B testing** and target market profiling across platforms like Facebook, Instagram, TikTok, and Pinterest

PROJECTS

Telehealth | Machine Learning, Python, Flask, DTC, Scikit, Flutter, Firebase, HTTP

July 2024 – Present

- Trained **3 Machine Learning Models** to predict disease presence based around a **decision tree classifier** in **scikit** and used a **Python** script to predict the disease outcomes on your local-host using **flask**
- Built a **Flutter** front-end to feed data to a local-host running a **python** script to predict data from **joblib** files

AAP Wiki | Flutter, Firebase, Xcode

Sept 2023 – June 2024

- Built and deployed an app on the Apple App Store and Google Play Store with **2000+** of downloads
- Created for and endorsed by the **5th largest** Indian political party—**Top 10** in the world by membership

AWARDS AND HONORS

Congressional App Challenge | Mealify

Dec 2023

- Awarded **3rd** place at the **state level** by building an app to bridge the gap between corporations and the homeless

DECA State Finalist | Entrepreneurship Series

Mar 2023

- 1 of 12 State** Level Finalists in the DECA Entrepreneurship series event and **2nd** Place in District Level

PERSONAL

Hard Skills: Excel, Financial Modelling, Python, Flask, CORS, Scikit, Flutter, Firebase, Pandas, Numpy

Soft Skills: Self-Starter, Networking, Communication, Leadership, Critical Thinking, Teamwork

Courses: **CFI** | Excel for Finance, Financial Analysis Fundamentals, **Udemy** | Flutter & Dart Bootcamp

Interests: Entrepreneurship (Built several small business'), Weightlifting, Volleyball, Building Apps (Coding)