

Arnav Palawat

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EDUCATION

Westford Academy

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

Westford, MA

Projected June 2026

Certifications: Yale Financial Markets, Day Trading Strategies and Scaling (Warrior Trading)

PROFESSIONAL EXPERIENCE

Third & Jefferson Holdings

Incoming Private Equity Intern

Sept 2024 – Present

New York City Metropolitan Area

Internhs

Founder & President

May 2024 – Present

Westford, MA

- **Founded and incorporated** a nonprofit to provide high school students with early workplace exposure.
- Deployed a **Flutter** frontend and **Firebase** Authentication and Database to manage **500K+** Read operations
- Developed **APIs** to scrape javascript, and a recommendations algorithm involving **cosine similarity** using **scikit**

State Street Journal

Financial Analyst Intern

June 2024 – Sept 2024

United States

- **1 of 10** interns accepted into a competitive program with over **50** applicants (~20%)
- Advised taking a short position on Tesla, Inc. and developed in-depth industry research to rationale such position
- Constructed a financial model containing a **comparables analysis**, **WACC** calculations and multiples-based **DCF** analysis to arrive at an overall valuation of **\$343bn** as of FY 2028 driven by a **EV/EBITDA** multiple of **3.5x**

Degree

AI/ML Research Intern

June 2024 – Sept 2024

Bay Area

- Writing a paper to reveal the effectiveness of **RAG** vs Non-RAG LLMs and **Prompt Engineering** of RAG LLMs
- Presented preliminary research findings regarding **DRL in Quantitative Trading** to graduate level students

Merciero

Founder & Sole Proprietor

Dec. 2023 – Jan. 2024

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

Binomial Options Pricing (Regression Based) | Financial Derivatives, Time-Series Analysis, Python Aug 2024

- Trained, built, and fit an **ARIMA** model to predict 2 states to be used in the binomial options pricing formula
- Built a **Binomial Options Pricing Model** to price options while ensuring a **hedged** portfolio to minimize risk

Swing Trading Algorithm (ARIMA Based) | Quantitative Trading, Python, Time-Series Analysis Aug 2024

- Trained, built, and fit an **ARIMA** Model that predicts price action **14** days in the future from 60 day historicals
- Algorithmically plotted ACF and PACF to auto-fit the data, showing **82%+** accuracy in testing (0.8 train 0.2 test)

Political Party Wiki App | 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, Time-Series Analysis, SQLite, Python, Flask, Scikit, Flutter, Firebase

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