

EXPERIENCE

Portfolio Manager

Up Your Game LLC, Dubai

Feb 2020 - Present

- Managed and grew a portfolio from **\$200,000 USD** to **\$430,000 USD** from 2020 to 2024 with a **CAGR of 21%** employing sophisticated futures & options trading strategies.
- Created a robust pipeline for research and backtesting of systematic strategies for equities, futures and options.
- Performance Metrics: 2023 - 2024  
Return: 18.27 %  
Sharpe: 1.967

Core Fund Strategies

- Swing Trading /ES Futures** - The core strategy of the fund, relies on macro and technical indicators to trade the S&P futures actively on the 30-minute / daily timeframe.
- Delta-Hedged Short Strangles** - Selling and actively delta hedging strangles on liquid equity indices, treasuries, gold and oil futures. Designed to make money in sideways markets when trend-following underperforms.
- Gamma Scalping Long Straddles** - Actively scalping gamma effectively creating a mean reverting hedge. Designed to generate returns in choppy markets when delta hedging and trend-following can underperform.

Co-founder

Sparks AI, Dubai

Oct 2023 - Oct 2024

- Architected and launched sparks.run a **zero-code platform** for building **autonomous AI agents** capable of executing complex, long-running asynchronous tasks.
- Built an app integration platform and store enabling AI agents to integrate with external and community apps.
- Built a knowledge base with vector search so that bots and agents can work with large files.
- Integrated a web development and search engine.
- Visit the platform at [www.sparks.run](http://www.sparks.run)
- [Link to the pitch deck](#)

Senior Fullstack Engineer

Quinence, Singapore

Dec 2021 - Aug 2023

- Soulless Citadel**
  - [www.soullesscitadel.com](http://www.soullesscitadel.com)
  - Spearheaded the development to build a story-led crypto NFT platform titled Soulless Citadel which **sold \$700,000 of total sales in 2 weeks** to become the highest grossing NFT on the Zilliqa blockchain.
- Wish World**
  - Collaborated with famous South Indian artists such as Ilaiyaraaja, Kamal Hasaan and several more to build their limited edition NFT artwork marketplace called Wishworld.
  - Implemented secure wallet integration and a blockchain authentication system.
  - Created intuitive web experience for non-crypto-native audience
- Modern Fullstack**
  - [www.modernfullstack.com](http://www.modernfullstack.com)
  - Built the learning management system and the architecture.
  - Authored courses, interactive coding exercises and assessment modules.
  - Implemented real-time progress tracking and gamification for users.

Senior Software Engineer

Up Your Game AI, Dubai

Oct 2017 - Oct 2020

- Led a 6-person cross-functional team** to build an enterprise AI platform
- Architected an ML pipeline for **employee performance, attrition and sentiment prediction with 85% accuracy**.
- Implemented and managed a micro-services infrastructure with NodeJS, Vue, and Lookback.
- Established relationships with clients and implemented the system within their teams.

EDUCATION



UNIVERSITY OF  
WATERLOO

BASc, Chemical  
Engineering  
Mar 2010 - Jul 2015

TOOLS

AI SDK  
Langchain  
Vector Databases  
Python  
Scikit, Numpy, Pandas  
HTML / CSS / Javascript  
React / Next.JS  
NodeJS  
AWS  
Vue  
SQL

LANGUAGES

English  
Hindi  
Marathi  
Konkani (spoken)