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EDUCATION

Examination	University	Institute	Year	CGPA
Graduation	NIT Warangal	NIT Warangal	2024	7.34

EXPERIENCE

Alpha Alternatives| *Quant Trader*   *12/24-Current*

Alpha Alternatives is a asset management firm that creates investment solutions for proprietary & client capital.
- Contributed to execution of delta neutral strategies and help to achieve **18%** absolute return for the clients.
- Automated market reports & hedging insights using **Python**, improving consistency, & communication of trading views; Analyzed liquidity patterns to detect & quantify option skew in stock options
- Backtested LS trading strategy in stock futures using predictive signals generated from Hawkes process
- Engineered webapp to track IV & straddle prices across major indexes, for trading on pricing anomalies
- Computed real-time Option Greeks from **tick-by-tick data** using **Python**, strengthening intraday risk controls

Kaptius| *Business Intelligence Intern*   *08/24-12/24*

*Kapitus is a fintech company specializing in providing **small business loans** within the **United States***
- **Engineered** a workflow to track application inflow and funding, automating key processes for efficiency
- Build an interactive dashboard to provide stakeholders with real-time insights on applications & funding

Alcon Global Services | *Salesforce DevOps Intern*   *05/23-7/23*

Alcon Swiss-American pharmaceutical and medical device company specializing in ophthalmology.
- Grasped the working of **Agile** methodology & Scrum framework & hands-on experience on **JIRA & CI/CD**
- Examined **20+** deployment errors occurred during deployment using previous deployment stats
- Synchronized **50**+ user stories across various environments reducing **15**% deployment time.

KEY PROJECTS

NLP and Sentimental Analysis Based Trading Strategy| *Self Project*
- Translated **sentimental analysis** results into actionable insights facilitating informed **investment strategies**.
- Back-tested **9+** years of ticker data containing ticker price, analysis of news articles, reports, web content;

Derivatives Pricing| *Self Project*
- Engineered a highly accurate ANN model for derivative pricing, achieving root mean error of **3.08×10^{-5}**.
- Implemented a vectorized version of Black Scholes Model and explored other option pricing models.

POSITIONS OF RESPONSIBILITY

Treasurer| *Avighna NITW*   *02/22-08/23*

*Partof **10** membered team for NIT Warangal Ganesh Festival | **10+** events| Annual Budget: **0.3M+**|Footfall:**1k+***
- Spearheaded fundraising efforts, ensuring efficient resource allocation, financial responsibility for success event

Volunteer Treasurer | *SpringSpree NITW*   *03/22-05/23*

*Part of **23** membered team for NIT Warangal Annual Festival | **50+** events| Annual Budget: **4M+**|Footfall:**10k+***
- Managed financial operations for **19+** diverse fest events, overseeing the collections and transactions

TECHNICAL SKILLS

- **Languages & Frameworks**: Python | C++|HTML| CSS |JavaScript | ReactJS | SQL | Dash |
- **Data Visualization & Tools**: MS Excel | Power Point | Tableau | Power BI || Jupyter Notebook|

ACHIEVEMENTS

Scholastic Achievements	• Secured **99.20 Percentile** in JEE Main| IEEE EMB Society Treasurer *['23]*	**CFA L1** Aspirant; Honored by **President Of India** for representing nation in SIP Abacus International Competition
Competitions	• Ranked **1st** out of **44** teams participated in BYTE hackathon held by Unstop • Placed among top **3** teams at the Switched Pitch competition held during E- Summit 2024 at NITW.