

YASHASWA VARSHNEY

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EXPERIENCE

HyperBots, Bengaluru, IN: Software Developer Engineer in Testing (SDET) August 2024 – Present

- Developed a llm based automated BrowserUse workflow with auto test steps generation using LangChain.
- Created an AI-Agent for real-time product health monitoring and alerting using LangChain.

Finzome, Mumbai, IN: Software Developer Intern June 2024 – August 2024

- Built a backtesting framework for large data, Reduced backtesting runtime significantly through the optimized use of Redis, c for caching computations.
- Developed tools to optimize trading strategies, enhancing profitability through parameter tuning.
- Designed a backend for an LMS, integrating payment system to achieve a 90% + payment success rate.

AR Quants, Mumbai, IN: Software Developer Intern February 2023 – August 2023

- Built statistical tools for transaction analysis, improving decision-making speed and data accuracy.
- Designed a high-performance InfluxDB solution, ensuring 99.9% uptime for high-frequency data retrieval.
- Created custom trading indicators in Pine Script to help traders visualize market patterns effectively.

PROJECTS

PolyMatch Resume Wizard [LINK]

Key Technology: LangGraph, LMstudio, phi-4.

- Helps polymaths match their diverse skills and projects with suitable job opportunities.
- Using LangGraph and local LLM to design ethical, visually appealing resumes for each job application, selectively highlighting user metadata such as skills, projects, and certifications.
- Complex Workflow which loops through section generation and validation, to provide a reliable result.

Sector Rotation Graph [LINK]

An open source clone of Bloomberg's RRG tool .

- Developed a tool that analyzes sector rotation using open-source data from Yahoo Finance.
- Built a simple and interactive GUI using Streamlit, allowing users to easily visualize sector performance.
- Enables visualization against either a chosen benchmark index or an automatically calculated equal-weighted-index.

TECHNICAL SKILLS

Tools and Frameworks: Rest-API, LangGraph, LangChain, nltk, Pandas, Numpy, Machine Learning Algorithms.

Platforms: Pine Script, GitHub, TimeSeries DB, AWS, SQL.

Domains and Technologies: Python, JavaScript , Agents, AI Models, Financial markets knowledge, Automation, Transformers (PyTorch), Docker, Kubernetes.

Soft Skills: Analytical Problem Solving, Communication, Brain Storming.

EDUCATION

B. Tech., Computer Science Engineering Sep 2020 - Sep 2024

Kalinga Industrial Institute of Technology, Bhubaneswar, IN

8.30 CGPA

KIIT School of Computer Science

Relevant coursework: Financial Economics using Data Analytics

ACHIEVEMENTS

- **Open Source:** Contributed to Flowise Python connectors, an open-source low-code tool for AI agent developemnt.
- **Blog:** "Nadaraya-Watson Envelop trading indicator" [LINK], garnering over 12.5K views.
- **Guest Lecture:** Delivered a lecture on Power BI at a United Nations Workshop.
- **Concept Art Winner:** Awarded *Mega Utopia Concept Art Winner* in the ArtStation Weekly Contest (Spring 2020).
- **Hiking Enthusiast:** Trekked to Chandrashila (12,000 ft), Brahmatal (9,000 ft), and DeoriaTal (8,000 ft).

HOBBY

Writing blogs (Financial Coding and General), Himalayan Trekking (3 peaks), Swimming, Wilderness Hiking.