YASHASWA VARSHNEY

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EXPERIENCE

HyperBots, Bengaluru, IN: Software Development Engineer Aug 2024 – July 2025
- Architected low latency, scalable ERP data connectors, with agentic error handling using langgraph. handling Avg 10k+ RPS with 99.9% uptime.
- Designed RESTful APIs and event driven pipelines (Kafka, AWS Lambda) for real-time notifications (email, WhatsApp, web), reducing end to end latency by approximately 30%.

Finzome, Mumbai, IN: Jr Software Developer Nov 2023 – Aug 2024
- Lead the development of a learning management system, including notifications and payment integration.
- Worked on opensource high performance stock backtesting framework in Python.
- Automated data scraping pipelines, with proper error handling and fallbacks.

AR Quants, Mumbai, IN: Software Developer Intern Jan 2023 – Aug 2023
- Worked on opensource high performance stock backtesting framework in Python.
- Developed time-series database with InfluxDB and implemented custom PineScript indicators for market patterns.
- Automated data scraping pipelines, with proper error handling and fallbacks.

TECHNICAL SKILLS

Tools & Frameworks: REST-APIs, Docker, Kubernetes, GitHub Actions, LangGraph, GCP
Platforms: AWS, RabbitMQ, InfluxDB, PostgreSQL, Redis
Languages: Python, Go, TypeScript
Domains: Backend Systems, Blockchain Infrastructure, Distributed Systems, AI Agents, LLM-ops
Soft Skills: System Design, Analytical Thinking, Rapid Prototyping, Collaboration

PROJECTS

SolSplit (Voting service, Solana based) [LINK]
Go, MPC, VRF, Threshold Signatures

- Simulates a distributed Solana validator network using threshold, Multi-Party Computation (MPC) and VRF.
- Implements a t-of-n threshold signature scheme and secure randomness for decentralized transaction signing.
- Includes a peer-to-peer gossip protocol for fast and reliable information exchange between validators.

DOCX-Agent [LINK]
Python, FastAPI, LangGraph

- Developed an intelligent document editing system that combines LangGraph, OpenAI, and docx2python to perform CRUD operations on Word documents using natural language.
- Implemented advanced features such as breadcrumb trails, image insertion, and image generation via a Docker-based Python script executor.

Vectoria [LINK]
Python

- Personal privacy focused note management RAG, with ollama integration, just brew install vectoria, and use power features like indexing, remember, forget etc.

EDUCATION

B.Tech in Computer Science Engineering 2020 - 2024 8.30 CGPA
KIIT University, Bhubaneswar, IN (max SGPA: 9.3)
Relevant Coursework: Minor in Financial Economics & Data Analytics

ACHIEVEMENTS

- Contributed to Quartz (obsidian to github-pages)
- Contributed core connectors to Flowise (AI-agent infrastructure).
- Authored "Nadaraya-Watson Indicator" blog (12.5K+ views) [LINK].

INTERESTS

Hiking (3 Himalayan peaks completed), swimming, blogging on AI, finance. [LINK]