Vikrant Arora

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WORK EXPERIENCE

Grexa AI, *On-site*, Navi Mumbai **April 2025 – Present**
Software Developer (Full-time) January 2026 – Present
Software Developer (Intern) April 2025 – January 2026

- Developed and maintain a sophisticated, distributed, producer-consumer based, syncing architecture, which regularly handles about 10M messages everyday, with high visibility and self-healing state management.
- Designed and maintain backend architecture for the Google Business Profile (GBP) Agent which operates and optimizes Google My Business (GMB) profiles for upwards of 5,000 locations, currently accounting for automatic review replies, posting and scheduled optimizations to the profiles, eventually resulting in performance improvement for these profiles.
- Maintain and develop backend AI service, including multiple provider integrations (OpenAI SDK, Gemini Nano Banana, Azure Foundry etc.), prompt templates, context management, knowledge bases, and LLM visibility.
- Own and maintain dedicated and automated high-throughput scraper service, allowing access to large volumes of high-quality structured data.
- Designed backends for client-facing performance dashboards on flagship product (mobile app).
- Reimplemented a third-party TypeScript API in Go, eliminating dependency restrictions and reducing internal integration latency.

ORIM Advisors, *On-site*, Mumbai **January 2025 – April 2025**
Quant Intern

- Architected and developed a pipeline to store news about topics of financial interest, to be eventually used for quantitative analysis.
- Developed a custom Google Search Client and multiple custom web scrapers to extract financial news from various news platforms.

Unstop, *On-site,* New Delhi **June 2024 – September 2024**
AI/ML Intern

- Developed a foundational machine learning, text indexing and natural language processing based system to help reduce redundancy in shared entity management.
- Developed an LLM-based sophisticated unstructured entity auto-tagging system with out-of-the-box metrics and confidence evals for LLM results.
- Laid the foundation for a revamp to the recommendation system of the main product platform.

SKILLS

Languages & APIs: Golang (Gin), Python (Flask & FastAPI), REST and gRPC
Databases, Caching & Messaging: MongoDB, PostgreSQL, MySQL, Redis, RabbitMQ
Engineering Environments: Microservices, Distributed & Asynchronous Job Processing, Docker, Google Cloud Platform (GCP), ELK, HyperDX, Kubernetes (via k9s cli), Postman, Bruno
Search, Automation & Applied ML: MeiliSearch, Selenium, Playwright, PyTorch, TensorFlow, Scikit-Learn, HuggingFace, RAG Pipelines, Production LLM Inference, BERT, Ollama

PROJECTS

Research Paper- A Volatility based Reinforcement Learning Agent for High Frequency Trading
Published at the European Economic Letters Vol 15, Issue 3 (2025) August 2024 – November 2024

- A proposed trading automation strategy using Volatility Optimized Q-Learning for high frequency trading, which outperformed a buy-and-hold strategy in 414 out 750 stocks.

Research Paper - An Evolutionary Approach for AQI Prediction using Ensemble-based Models October 2023 – August 2024
Presented at the 9th International Conference on Soft Computing: Theories and Applications, 2024

- A study of Air Quality Index Prediction as a time series making use of Genetic Algorithm Optimized Ensemble Learning methods to extract results comparable to deep LSTM and GRU networks. (R2=0.97)

EDUCATION

SVKM's NMIMS Navi Mumbai August 2025
Bachelor of Technology in Artificial Intelligence and Data Science CGPA: 3.65/4

OTHER QUALIFICATIONS

Qualified GATE DA (Data Science and Artificial Intelligence), 2025