

Varun Dronamraju

AI Full Stack Engineer (Agents, Automation, Systems)

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Technical Skills

AI Systems & Agents	: LLMs , RAG, Vector DBs (Qdrant, PGVector, FAISS), CrewAI, LlamaIndex, n8n
Backend & Systems	: FastAPI, Node.js, TypeScript, REST APIs, Webhooks, System Design
Tools & Databases	: PostgreSQL, MongoDB, MySQL, Firebase, AWS, Git, GitHub
Languages	: Python, TypeScript, JavaScript, Swift, C

Experience

LogicKrew <i>AI Engineer</i>	Feb 2026 – Present <i>Remote, India</i>
Engineered production-grade AI infrastructure, including LLM observability, prompt tracing, model evaluation frameworks, and scalable retrieval pipelines with persistent memory architectures.	
Wellness at Work Pvt Ltd <i>Full Stack Machine Learning Engineer</i>	Aug 2025 – Feb 2026 <i>Remote, India</i>
Architected and shipped Lumina AI Wellness (macOS/Windows), designing the frontend, Firebase backend, and system-level real-time ML model integration layers.	
QClairvoyance Quantum Labs <i>Machine Learning Engineer</i>	Aug 2024 – Jun 2025 <i>Hyderabad, India</i>
Structured a database of 600K+ compounds using automated data ingestion pipelines and built a React/Node.js/PostgreSQL web application to streamline cross-team data interaction.	

Education

GITAM University, Visakhapatnam <i>Bachelor of Technology in Computer Science Engineering - Artificial Intelligence & Machine Learning</i>	2021-2025 <i>Visakhapatnam, India</i>
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Projects

LocationHQ (VDLHQ) <i>FastAPI, PostgreSQL, pgvector, Groq, Ollama, React, Vite</i>	May 2026
Engineered a production-grade operations platform for shoot coordination with a deterministic state-machine workflow engine, pgvector similarity location matching, and a resilient dual-engine LLM failover pipeline.	
AI Lead Intelligence & Routing System <i>LLMs, APIs, n8n, Scraping</i>	Apr 2026
Built an end-to-end lead processing pipeline that ingests leads via webhooks, enriches and scores urgency using LLMs, and routes leads into automated outreach workflows.	
De Novo Drug Discovery Model <i>Python, TensorFlow, RDKit</i>	Jun 2025
Developed ML models on molecular datasets (900K+ compounds) to predict drug-target interactions and identify critical inhibitory features with structured data pipelines.	
Music Recommendation System <i>Python, Scikit-learn</i>	Oct 2024 – Apr 2025
Built a recommendation engine analyzing 100K+ tracks using classification algorithms and user interaction behavior-based prediction logic.	
Fake Profile Detection System <i>Python, Scikit-learn</i>	Aug 2023
Developed a classification system analyzing 37.6K+ social profiles, achieving 97.8% precision through advanced behavioral feature engineering.	

Certifications

- AI Engineer Agentic Track : Agent Systems MCP (Udemy, 2026)
- AI Automation: Build LLM Apps AI-Agents with n8n APIs
- IBM Machine Learning Engineer: Coursera
- IBM Data Science Professional : Coursera
- Programming with Python : HackerRank
- Linux Fundamentals : Coursera