

# NISHANTH A

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## CAREER OBJECTIVE

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Backend-focused engineer with hands-on experience in API debugging, database-driven applications, and production issue analysis. Proven track record in shipping scalable software systems and deploying internal AI tools within corporate environments. Dedicated to ensuring system reliability and performance in fintech products.

## TECHNICAL SKILLS

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- **Backend/Server:** FastAPI, Next.js, Django, PHP (Laravel), REST APIs, Node.js
- **Databases:** PostgreSQL, MySQL, Milvus (Vector DB), MongoDB, Redis
- **Infrastructure:** Docker, Vercel, Plesk Hosting, vLLM, Postman, Git, Linux
- **Programming:** Python, SQL, Java, C++, JavaScript | **Frontend:** React, React Native
- **Concepts:** API Debugging, Production Support, Search Optimization (SOAR), System Stability

## EDUCATION

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<b>Rajalakshmi Institute of Technology</b> <i>B.Tech in Artificial Intelligence and Data Science (CGPA: 8.2)</i>	Chennai, TN 2022 – 2026
<b>Maharishi Vidhya Mandir MHSS</b> <i>Higher Secondary (Class XII)   93.83%</i>	Karaikudi, TN 2020 – 2022
<b>Maharishi Vidhya Mandir MHSS</b> <i>Secondary (Class X)   95.6%</i>	Karaikudi, TN 2019 – 2020

## WORK EXPERIENCE

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<b>Intern Data Science (Backend &amp; Production Focus)</b> <i>XYMA Analytics</i>	Jan 2025 – Mar 2025 Chennai, TN
<ul style="list-style-type: none"><li>• Shipped an <b>internal chatbot</b> for the team using <b>Next.js</b>, <b>React</b>, and <b>vLLM</b> for fast inference.</li><li>• Managed deployment on the <b>company server</b> with the networking team using <b>Docker</b>.</li><li>• Developed anomaly detection models for time-series data with 96% accuracy and supported production shipping.</li></ul>	
<b>Freelance Software Engineer</b> <i>Consultancy Project (Valued at 1,00,000+)</i>	Oct 2024 – Dec 2024 Remote
<ul style="list-style-type: none"><li>• Architected and delivered a full-scale <b>Job Marketplace Website</b> using <b>PHP (Laravel)</b> and <b>PostgreSQL</b>.</li><li>• Built a dynamic UI using <b>React</b> and managed production hosting on <b>Plesk</b> as per customer requirements.</li></ul>	

## PROJECTS

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<b>Compliance Management Chatbot (Techgium Hackathon)</b> <i>FastAPI, PostgreSQL, Milvus, Flutter</i>
<ul style="list-style-type: none"><li>• Engineered an AI compliance system featuring a custom <b>SOAR searching algorithm</b> for accelerated retrieval speed.</li><li>• Built a high-performance <b>FastAPI</b> backend with <b>PostgreSQL</b> and <b>Milvus Vector DB</b> for hybrid search.</li></ul>
<b>lawDAI Legal Assistant for Indian Law</b> <i>Next.js, Milvus, Groq API, Vercel</i>
<ul style="list-style-type: none"><li>• Deployed a multi-agent framework on <b>Vercel</b> with a <b>Hybrid Vector DB (Milvus)</b> and Knowledge Graph.</li><li>• Optimized backend latency using <b>Groq API</b> for low-latency LLM inference and secure session management.</li></ul>