

# Suriya Prakash

## Python Full-Stack Developer

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### Profile

Full-Stack Web Developer with nearly 3 years of experience in Python, Django, React, PostgreSQL, and MySQL. Skilled in building scalable backend systems, RESTful APIs, and responsive front-end interfaces. Experienced in developing AI-powered ERP systems using LangChain and LangGraph, with hands-on experience in agentic workflows, RAG pipelines, and human-in-the-loop automation. Also worked on e-commerce and real estate platforms. Passionate about writing clean, efficient code and delivering reliable, high-performance solutions.

### Experience

*Python Fullstack Developer*  
**Techsoft Innovations LLP**

Jun 2025 - Present  
Tiruppur.

- Developed a full-stack Textile ERP system using Django REST Framework and React, supporting business workflows such as order management, supplier tracking, and party ratings.
- Built agentic AI workflows using LangChain and LangGraph to automate supplier quotation requests, WhatsApp follow-ups, real-time process tracking, and approval-driven procurement workflows.
- Built asynchronous task pipelines using Celery and Redis for background job processing and long-running operations.

*Python Fullstack Developer*  
**M7 Corporation Private Limited**

Mar 2024 - Jun 2025  
Chetpet, Chennai.

- Developed vendor dashboard, invoice generation and stock management modules using Django REST Framework.
- Integrated Shiprocket API for real-time shipment tracking and Razorpay for secure payment processing.
- Built an ML-powered recommendation engine using vector embeddings and cosine similarity search with Milvus, matching products by color, pattern, gender, and occasion.

*Junior Python Developer*  
**Microbotware Technology**

Jul 2023 - Mar 2024  
Viluppuram.

- Contributed to the development of Dgpex, a real estate web platform, developing property listing pages and dynamic dashboards using Django and MySQL.
- Implemented role-based access control (RBAC) for the admin panel and integrated third-party APIs for enhanced platform functionality.
- Wrote optimized SQL queries and maintained MySQL database schemas for reliable data handling.

## Skills

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**Languages:** Python, JavaScript, SQL.

**Frameworks:** Django, Django Rest Framework (DRF), Flask, FastAPI, React JS.

**AI & ML:** LangChain, LangGraph, RAG, Vector Embeddings, Milvus, Cosine Similarity Search.

**Technologies:** AWS (EC2, S3), WebSockets, Redis, Celery, MySQL, PostgreSQL, SQLite, Git.

**Development:** RESTful API Design, Agentic AI Workflows, Web Application Development.

## Certification

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**HackerRank:** [Problem Solving Certificate](#), [HackerRank](#) 

## Education

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<b>MCA</b>	<b>University of Madras</b> , Master of Computer Applications	Aug 2024 – Present
	<ul style="list-style-type: none"><li>• <b>Coursework:</b> Computer Architecture, Comparison of Learning Algorithms, Computational Theory.</li></ul>	
<b>BSc</b>	<b>Thiruvalluvar University</b> , Mathematics	Jul 2016 – May 2019
	<ul style="list-style-type: none"><li>• <b>GPA:</b> 3.4/4.0</li><li>• <b>Coursework:</b> Algebra, Trigonometry, Statics, Differential Equations.</li></ul>	

## Key Achievements

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- **Eliminated Manual Supplier Communication:** Automated end-to-end supplier quotation and follow-up process using LangGraph agentic workflows, replacing manual calls with AI-driven WhatsApp messaging, reducing human effort by 70%.
- **ML-Powered Recommendation Engine:** Built a vector-embedding-based product recommendation system using Milvus and Cosine Similarity, improving product discovery accuracy by 40%.
- **Optimized Web Application Performance:** Reduced application response times by 30% through query optimization, Redis caching, and asynchronous task handling using Celery.
- **Data Processing Enhancement:** Designed database schema and server-side logic to enhance data processing speeds by over 60%.