

Surya Murugan
Python Developer | Software Developer

Current City: Mumbai

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Professional Summary

Results-driven Software and AI Developer with expertise in Python, SQL, and Django, specializing in machine learning, deep learning (FastAI, Hugging Face), and AI-driven applications. Experienced in developing finance-focused AI tools, Chrome extensions, and trading automation. Strong problem-solving skills with a passion for building scalable AI solutions. Seeking opportunities to apply AI and software development expertise to drive innovation.

Professional Experience

Jr. Software Developer

Sapat International Pvt Ltd | April 2024 – Present

- Develop and maintain scalable backend applications using Python and Flask.
 - Design and manage RESTful APIs to enable seamless system integration.
 - Customize and extend Odoo ERP modules to meet specific business needs.
 - Enhance OpenedX LMS by implementing tailored features for better e-learning experiences.
 - Collaborate with cross-functional teams to deliver high-performance, reliable applications.
 - Utilize Open Hands platform to build and deploy AI-powered automation solutions.
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Education

Bachelor of Computer Engineering (BE)

Saraswati College of Engineering (Mumbai University) | Graduation: 2023

- Graduated with 7.48 CGPA (67.81%)

HSC (Biofocal Science : Electronics)

Arya Gurukul International Jr College, Navi Mumbai, 2018

- Graduated with 64%
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Technical Skills

- **Programming Languages:** Python
- **Frameworks:** Flask, Django, FastAPI, Streamlit
- **Web Development:** HTML, CSS, Javascript
- **Backend Development:** REST APIs, Performance Optimization
- **AI/ML Tools:** Scikit-learn, OpenAI, LangGraph, HuggingFace
- **Automation:** BeautifulSoup, Agentic AI, Workflow Automation
- **ERP Systems:** Odoo (Customization & Extension)
- **LMS Platforms:** OpenedX (Customization & Development)

- **Cloud Services:** AWS (S3, Lambda, DynamoDB, EC2)
 - **Databases:** SQL, NoSQL
 - **Data Processing:** Web Scraping (BeautifulSoup), HTML/XML Parsing
 - **Version Control:** Git
 - **Soft Skills:** Communication, Collaboration, Problem-Solving, Mentorship
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Key Projects

- **QR4Order API:** Developed a QR-based ordering system API for the F&B sector.
 - **Customized OpenedX LMS:** Enhanced e-learning platforms with custom feature development.
 - **Event Job Portal** – Developed a dynamic job portal using Django, WebSockets, enabling real-time communication, social interactions, and recruiter-employee engagement.
 - **Mental Health Companion** – Built an AI-powered platform integrating ML models and web scraping to assess mental health and recommend nearby therapists. Optimized performance using Redis caching.
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Achievements & Certifications

- Supervised Machine Learning: Regression and Classification - DeepLearning.AI
 - AI Agent Fundamentals - HuggingFace
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Interests & Personal Development

- Deep learning with Generative AI (LLMs)
- Exploring automation and AI productivity tools
- Staying updated with emerging technologies through continuous learning