Romeo Alexander

Software Engineer｜AI/ML Engineer

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SUMMARY

With over 10 years of experience in AI and machine learning, I specialize in building **intelligent systems** that solve real-world problems across various industries. My core expertise includes developing AI agents using **Model Context Protocol (MCP)**, designing **agentic AI workflows**, **fine-tuning LLMs and ML models**, advanced **prompt engineering** for generative AI, and implementing **computer vision solutions**. I've applied these skills in diverse fields—optimizing **real-time traffic prediction** and **routing algorithms** for smart cities, enhancing diagnostic support tools in the medical field through deep learning-based imaging analysis, and building **AI-powered recommendation systems** for e-commerce platforms. In the entertainment sector, I've developed **generative AI systems** for dynamic content creation, while in sports analytics, I've built **computer vision pipelines** for real-time player tracking and performance prediction. My focus is always on translating cutting-edge AI/ML research into high-impact, production-ready applications that drive measurable value.

EXPERIENCE

Software Engineer

Self Employed

📅 09/2024 - Present

- Specializing in the development of AI-driven web and mobile applications, with a focus on integrating voice AI agents, AI-powered chatbots, and real-time automation systems using technologies like Twilio, Vapi.ai, and Retell AI.

Software Engineer

Tech Innovations

📅 03/2023 - 09/2024

- Developed AI-powered platforms to optimize business workflows and customer interactions, utilizing machine learning models and cloud infrastructure for scalable solutions.

AI/ML Developer

AI Solutions LLC

📅 07/2020 - 03/2023   📍 Boston, USA

- Designed and deployed machine learning models for NLP and computer vision, creating predictive analytics and AI-driven recommendation systems that enhanced e-commerce operations and increased user engagement.

Web/Mobile Developer

DigitalTech GmbH

📅 03/2018 - 07/2020

- Built and maintained high-performance mobile and web applications using React, Node.js, and Swift, focusing on UI/UX optimization and integrating advanced features like payment processing and geolocation services.

Internship - Software Development

TechX Germany

📅 09/2017 - 03/2018

- Assisted in both front-end and back-end development, gaining practical experience with JavaScript, Node.js, MongoDB, and contributing to sprint planning and project delivery.
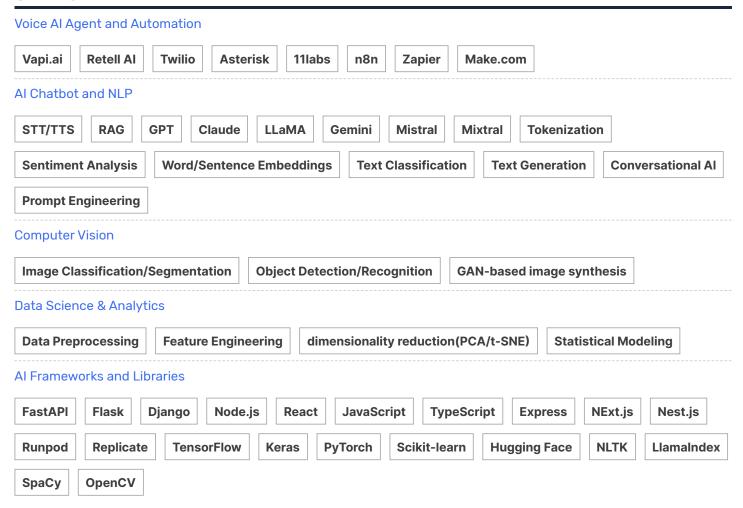
EDUCATION

Bachelor of Science in Computer Science

Technical University of Munich

📅 09/2014 - 09/2017   📍 Arcisstraße 21, 80333 München

SKILLS

Voice AI Agent and Automation

Vapi.ai | Retell AI | Twilio | Asterisk | 11labs | n8n | Zapier | Make.com

AI Chatbot and NLP

STT/TTS | RAG | GPT | Claude | LLaMA | Gemini | Mistral | Mixtral | Tokenization

Sentiment Analysis | Word/Sentence Embeddings | Text Classification | Text Generation | Conversational AI

Prompt Engineering

Computer Vision

Image Classification/Segmentation | Object Detection/Recognition | GAN-based image synthesis

Data Science & Analytics

Data Preprocessing | Feature Engineering | dimensionality reduction(PCA/t-SNE) | Statistical Modeling

AI Frameworks and Libraries

FastAPI | Flask | Django | Node.js | React | JavaScript | TypeScript | Express | NExt.js | Nest.js

Runpod | Replicate | TensorFlow | Keras | PyTorch | Scikit-learn | Hugging Face | NLTK | LlamaIndex

SpaCy | OpenCV