

Priya Patel

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PROFESSIONAL SUMMARY

Senior AI Engineer with 6 years of experience architecting and deploying enterprise-scale AI solutions. Led development of 8+ production AI agents serving millions of users. Deep expertise in LLM fine-tuning, multi-agent systems, and AI product strategy. Proven ability to lead technical teams and drive innovation in rapidly evolving AI landscape.

EXPERIENCE

Senior AI Engineer

Amazon Web Services | March 2021 - Present

- Architected and deployed 5 production AI agents for AWS customer support, handling 50K+ interactions daily
- Led team of 4 engineers in building intelligent document analysis system using multimodal LLMs
- Designed and implemented custom fine-tuning pipeline for domain-specific language models, improving task accuracy by 35%
- Built agentic workflow orchestration platform using LangGraph enabling complex multi-step reasoning
- Reduced AI inference costs by 45% through prompt optimization and model distillation techniques
- Established best practices for responsible AI development including bias detection and mitigation
- Mentored 6 junior engineers on LLM application development and production deployment

AI/ML Engineer

Microsoft | July 2018 - February 2021

- Developed conversational AI agents for Microsoft Teams with 2M+ active users
- Implemented semantic search functionality using BERT embeddings and Azure Cognitive Search
- Built automated code review agent that identified bugs and suggested improvements for internal repositories
- Created evaluation framework for LLM outputs including BLEU, ROUGE, and human evaluation metrics
- Presented at internal AI Summit on "Scaling AI Agents in Production"

EDUCATION

Master of Science in Computer Science (AI Track) - Stanford University

GPA: 3.9/4.0 | Graduated: June 2018 | Focus: Deep Learning, NLP

Bachelor of Engineering in Computer Science - Indian Institute of Technology, Bombay

First Class with Distinction | Graduated: May 2016

TECHNICAL SKILLS

Programming Languages: Python, TypeScript, Go, Rust, SQL

AI/ML Frameworks: LangChain, LangGraph, LlamaIndex, OpenAI API, Anthropic Claude API, HuggingFace Transformers, PyTorch, TensorFlow

Agent Frameworks: AutoGPT, BabyAGI, CrewAI, Semantic Kernel

Infrastructure: AWS (SageMaker, Bedrock, Lambda, ECS), Azure, Docker, Kubernetes, Terraform

Vector Databases: Pinecone, Weaviate, Qdrant, pgvector

Automation: n8n, Zapier, Airflow, Prefect

Specializations: LLM Fine-tuning, Multi-Agent Systems, Prompt Engineering, RAG, Function Calling, Tool Use

PROJECTS

Enterprise Knowledge Management Agent

Led development of AI agent that ingests and indexes company documentation, enabling natural language queries across 100K+ documents. Integrated with Slack and Teams for seamless user experience.

Automated Sales Intelligence Platform

Built multi-agent system combining web scraping, data analysis, and report generation agents. Generated qualified leads and insights for sales team, contributing to 25% increase in conversions.

CERTIFICATIONS

- AWS Certified Solutions Architect - Professional
- Google Cloud Professional Machine Learning Engineer
- DeepLearning.AI - Building Systems with the ChatGPT API