

# Yash Desai

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## Professional Summary

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Highly motivated and detail-oriented Generative AI Engineer with a strong foundation in cloud computing, as evidenced by my AWS certification. I am eager to design and implement robust AI architectures and develop high-performance APIs to serve AI models. With a solid understanding of AI principles and a drive to stay current with the latest developments in the GenAI ecosystem, I am well-positioned to contribute to the development of AI-powered applications.

## Technical Skills

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Python • TypeScript • Go • PyTorch • TensorFlow • LangChain • AutoGen • LangGraph • AWS • Docker

## Selected Projects

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### Potential Project 1

- Designed and implemented a retrieval-augmented generation pipeline using LangChain and PyTorch

- Fine-tuned a large language model to meet domain-specific requirements
- Developed a high-performance API to serve the AI model using FastAPI

### **Potential Project 2**

- Built and maintained a high-performance retrieval system using vector databases and advanced search techniques
- Developed a multi-agent system using TensorFlow and AutoGen
- Established a CI/CD pipeline for AI models, including automated evaluation and cost tracking

### **Potential Project 3**

- Implemented guardrails to prevent prompt injections and ensure data privacy
- Mitigated model bias and ensured scalability, security, and cost-efficiency of AI models

- Developed a RESTful API to serve AI models and integrate with modern frontend frameworks

## Certifications

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- **AWS** - AWS (2025-02-23 00:00:00.000Z)