Priya Sharma
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Professional Summary

AI Engineer specializing in **Generative AI, NLP, and Azure-based solutions** with 5+ years of experience designing scalable applications. Skilled in developing APIs with **Python, FastAPI, and Docker**, and deploying AI solutions using **Azure Kubernetes Service (AKS), Azure DevOps, and Azure Functions**. Adept at building **RAG pipelines with vector databases** and optimizing application performance for enterprise-scale solutions.

Core Skills

- **Programming:** Python, FastAPI, Docker
- **AI/ML:** NLP, LLMs, RAG pipelines, LangChain, Transformers, PyTorch
- **Cloud & DevOps:** Azure AI Services, Azure App Service, Azure Functions, Azure API Management, Azure Logic Apps, Azure DevOps, AKS, ACR
- **Databases:** MongoDB, PostgreSQL, Vector DBs (Pinecone, Weaviate)
- **Practices:** CI/CD pipelines, API security, scalability optimization

Professional Experience

Senior AI Engineer | Microsoft Azure AI Partner – Toronto, ON
Jan 2021 – Present

- Designed and deployed **Generative AI applications** using **Python, FastAPI, and Docker** to support enterprise clients.
- Built **RAG pipelines with vector databases** for retrieval-augmented generation.
- Developed **end-to-end API-based solutions** integrated with Azure App Service, Functions, and API Management.
- Managed **containerized deployments** with Azure Kubernetes Service (AKS) and images via ACR.
- Implemented **CI/CD pipelines with Azure DevOps**, ensuring automated testing and smooth deployments.
- Collaborated with cross-functional teams to design **MongoDB-backed systems** optimized for scalability.

AI Engineer | Cognizant – Toronto, ON
Jul 2018 – Dec 2020

- Developed NLP-based chatbots leveraging **Transformers and PyTorch**.
- Created internal APIs using **FastAPI** and containerized them with **Docker**.
- Assisted in migrating AI solutions to **Azure**, improving performance and reducing infrastructure costs.

Education

M.Sc. in Computer Science (AI Specialization)
University of Toronto, 2018