

# Puja Shrestha

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## PROFESSIONAL SUMMARY

Results-driven AI/ML Engineer with 3 years of experience in developing and deploying production-grade AI solutions. Specialized in Python, Machine Learning, Deep Learning, NLP, PyTorch, TensorFlow, and modern LLM frameworks including RAG. Proven track record of delivering scalable AI agents and intelligent automation systems.

## SKILLS

Python • Machine Learning • Deep Learning • NLP • PyTorch • TensorFlow • LLM • RAG • AI Agents • REST API • PostgreSQL • Redis • Docker • AWS • Git • Agile

## PROFESSIONAL EXPERIENCE

### AI/ML Engineer

*Tech Company | 2022-01 - Present*

*Remote*

- Developed multi-agent AI system for automated job applications, achieving 80% ATS compatibility
- Implemented semantic search using sentence transformers, improving job matching accuracy by 40%
- Built production-grade RAG pipeline with PostgreSQL vector storage and OpenAI GPT-4
- Designed and deployed microservices architecture using FastAPI, Docker, and AWS

### Software Engineer

*Previous Company | 2021-06 - 2021-12*

*Toronto, ON*

- Developed REST APIs using Python Flask serving 10K+ daily requests
- Implemented data processing pipelines with pandas and NumPy
- Created automated testing suite achieving 90% code coverage

## EDUCATION

### Bachelor of Science in Computer Science

*University of Example | 2021*

GPA: 3.8/4.0

Honors: Magna Cum Laude

## CERTIFICATIONS

- AWS Certified Solutions Architect - Amazon Web Services (2023)

## PROJECTS

### **Jobply - Automated Job Application System**

*Technologies: Python, PostgreSQL, OpenAI, Docker, React*

Multi-agent AI system for discovering, scoring, and applying to jobs

- Semantic matching with sentence transformers achieving 80% accuracy
- Automated resume tailoring with 100% ATS compatibility
- Scalable architecture handling 1000+ jobs per day