

SHREYAS PACHPUTE

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AI/ML Engineer – leveraging +1.5 years of experience

Results-driven AI/ML Engineer with 1.5+ years of experience designing, building, and deploying advanced AI solutions and automation. Proven expertise in LLM optimization, RAG bot development, and end-to-end AI workflows. Skilled in Python, VLLM, Langchain, AWS, and .NET/C#. Seeking to leverage strong conceptual foundation and hands-on experience in AI Agents across industries.

CORE COMPETENCIES

- AI Agents & RAG
- Python
- RESTful API Development
- Data Engineering
- Prompt Engineering
- Langchain & LangGraph
- NLP & Computer Vision
- .NET
- LLMs
- AWS
- SQL
- Git/GitHub

PROFESSIONAL EXPERIENCE

Commercient | Surat, Gujarat | AI/ML Engineer

Jan 2024-Present

- Built and deployed a custom sales chatbot replacing Drift on Company Portfolio Website, achieving 80% lead improvement and eliminating third-party licensing costs.
- Engineered LLM deployments using VLLM on Multi-GPU and Multi-Servers, enhancing inference throughput and model scalability.
- Architected and developed a Retrieval-Augmented Generation (RAG) bot, integrating internal ticketing and Zoom chat data for contextual responses.
- Designed and implemented .NET/C# APIs to integrate AI features into the company portal, streamlining data access and automation.
- Developed, published, and maintained an end-to-end CommercientAI application in the Slack Marketplace.

YBI Foundation | Remote | ML Intern | [Certificate](#)

July 2023

- Developed ML models for bank customer churn prediction and bike price forecasting, improving prediction accuracy through feature engineering and model tuning.
- Implemented data pipelines for financial news sentiment analysis and movie recommendation systems, applying NLP and collaborative filtering techniques.

TRAINING & CERTIFICATIONS

- AWS Certified Machine Learning - Specialty | [Certificate](#)
- Amazon ML Summer School | ML Trainee | [Certificate](#)
- Kaggle Course Completion | ML Trainee | [Certificates](#)

March 2024

October 2023

EDUCATION

Sarvajanik College of Engineering and Technology (SCET)

BE Computer Science

CGPA: 8.3/10

Surat, Gujarat

2020 - 2024

PERSONAL PROJECTS

1. PERSONALIZED LEARNING PATH CURATOR AGENT:

- Designed an AI agent using Langchain and knowledge graphs to dynamically curate and schedule learning resources based on user goals, profile, and progress.

2. AI-DRIVEN SOCIAL MEDIA CONTENT SCHEDULER

- Created an automated pipeline leveraging LLMs for content ideation, generation, hashtag optimization, and cross-platform scheduling.

ADDITIONAL

Languages: Fluent in English, Hindi, Conversational Proficiency in Gujarati, Marathi.

Interests: Gym, Entrepreneurship, Mythology, Politics.