

PRUTHVIRAJ CHAVAN

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OBJECTIVE

Software Engineer with **1+ years** of experience in **AIML**, seeking full-time **NLP / GEN AI / AIML** roles.

EDUCATION

Master of Science – Data Science and Spatial Analytics , Symbiosis International University	2021 - 2023
Bachelor of Science – Statistics,, Pune University	2017 - 2020

SKILLS

Technical Skills **LLMs, RAG, LangChain, LlamaIndex, Generative AI, NLP, Fast API / REST API, Session Management, Computer Vision, Machine Learning, SQL, Python, OOPs**

Soft Skills Adaptability, Problem Solving, Team Work, Communication, Leadership

EXPERIENCE

ASSOCIATE SOFTWARE ENGINEER - AIML Bizmetric	APR 2023 - Present <i>Pune, IN</i>
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- Accumulated professional experience contributing to diverse and impactful projects.
- Specialized in Natural Language Processing (NLP) and Computer Vision.
- Leveraged advanced technologies such as **Generative AI, LLMs, AI Agents**, and **NLP** methodologies.
- Actively contributed to the development and execution of Proof of Concepts (**POCs**) in Large Language Models (LLMs).
- Developed and delivered generative AI, machine learning, natural language processing (NLP), and computer vision pipelines and projects.
- Played a pivotal role in bridging theoretical understanding and practical implementation.

PROJECT INTERN (Lean Six Sigma-Green Belt) Pursullence Global Business Solutions	Mar 2021 – May 2021 <i>Pune, IN</i>
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PROJECTS

Conversational Financial Assistant (RAG). Developed a **SOTA** (state-of-the-art) conversational AI ChatBot integrated with over 15 NBFC user data APIs and 4 **CRM** ticket creation APIs. Enhanced its capabilities with advanced multi-point **RAG** (Retrieval Augmented Generation) and **OpenAI function calling** methodologies. Powered by OpenAI's cutting-edge **GPT-4** model and **Langchain** and **LlamaIndex** frameworks, the chatbot delivers exceptional performance. Implemented a **vector database** as a comprehensive knowledge bank, enabling personalized responses to user queries, including account-specific and general financial FAQs. **Managed user sessions** effectively and deployed in a **serverless** environment in **production**, ensuring efficient **scalability** and an outstanding user experience.

Data Analytics ChatBot. Developed highly accurate structured data analytics generative AI ChatBot using **pandasai**, utilizing pandasai it enabled the bot to perform complex **data transformations**, provide **data insights**, and also **generate plots** all in **natural language** query input.

Trash classification model for reverse vending machines. Developed a **computer vision** trash classification deep learning model over **8+ categories** for a reverse trash vending machine using **PyTorch** and **ResNet** CNN deep learning models.