



Shreyas A Patil

Bachelor of Engineering
Computer Science Engineering
KLE Technological University's, Dr. M. S. Sheshgiri
Campus

+91 8139907517
shreyaspatil14780@gmail.com
Github
LinkedIn

CARRER OBJECTIVE

- A quick learner seeking an opportunity in the domain of machine learning to solve real-time problems and contribute to innovative projects. Passionate about leveraging technical skills in machine learning, software development, and cloud computing to make a positive impact in the technology field.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
Bachelor of Engineering in Computer Science	KLE Technological University's, Dr. M. S. Sheshgiri Campus	8.42	2021-25
Senior Secondary	Department of Pre-University Education, Karnataka	93.83%	2019-21
Secondary Education	State Board	93.28%	2019

PROJECTS

• CHATBOT WITH RAG AND LLM

Jan. 2024 - Mar. 2024

Belagavi

[Github](#)

- Developed a machine learning model or chatbot which will take large code base or zip file or github link as input. Then generates a tree structure of that large code base . Further this tree structure is used to generate vector database using 'Qdrant'. Then further implemented the Retrieval Augmented Generation (RAG) ,we can chat with our large code base.
- Here we used base model as "Llama 8B model" to create the tree like simple structure in natural language of the large codebase , with the help of 'Together AI API'.
- With the help of AWS Sagemaker model is deployed on the cloud.

• BACKEND CHAT ROUTE FOR NATURAL LANGUAGE TO PROMQL

Apr. 2024 - Jun. 2024

Belagavi

[Github](#)

- A machine learning model that translates natural language queries into PromQL (Prometheus Query Language). The v1 model is fine-tuned on Vertex AI using the Gemini version 1 base model. Now the final model is trained on GPT-4o model on Microsoft Azure ai studio .
- Translate natural language queries related to server performance into PromQL to monitor metrics.
- Nowadays PromQl plays major role into monitoring logs and all errors.

• CROSS-LINGUAL-WORD-EMBEDDING-ALIGNMENT

Sep. 2024 - Oct. 2024

Belagavi

[Github](#)

- Cross-lingual word embeddings are crucial for various multilingual NLP tasks. This project focuses on aligning monolingual word embeddings from English and Hindi to create a shared cross-lingual embedding space.
- Training of monolingual FastText word embeddings for English and Hindi using appropriate corpora. Due to computational resources are limited, i used pre-trained FastText embeddings.
- Extracted a list of word translation pairs from the MUSE dataset to use as a bilingual lexicon for supervised alignment.Implemented the Procrustes alignment method to learn a linear mapping between the source (English) and target (Hindi) embeddings using the bilingual lexicon.

- **CLOUVIX – AI DEVOPS AGENT**

Mar. 2025 – Present

Remote

[Github](#)

- ClouVix is a Vertical AI Agent built for DevOps teams, enabling developers to seamlessly manage their cloud infrastructure, deployments, and optimizations—just like a human DevOps engineer. Our Agentic AI system automates deployment workflows, infrastructure management, and provides tailor-made DevOps solutions, allowing developers to focus entirely on building features and enhancing their products without being burdened by the complexities of cloud provisioning, deployment pipelines, or reliance on DevOps engineers

SKILLS

- **Programming:** Python, Java(DSA).
- **CS Fundamentals:** Object Oriented Programming, Data Structures and Algorithms, SQL and API's.
- **Tools:** AWS, Microsoft Azure, Vertex ai studio.

CERTIFICATIONS

- **AWS:** Got certified by Infosys for AWS DevOps Engineer Certification 2024.
- **Vertex ai studio:** Got certified by Vertex ai Studio for Basics in vertex ai studio in 2024.
- **Microsoft And LinkedIn:** Got certified by Microsoft for " Generative AI by Microsoft and LinkedIn "in 2024.

EXPERIENCE

- **CLOUVIX (Mar2025–Present):** As the Founding Engineer at ClouVix, I have been building an AI-powered DevOps Agent that provisions, manages, and optimizes cloud infrastructure using Terraform. ClouVix targets mid-size to enterprise companies adopting AWS, GCP, or Azure. I led the development of intelligent workflows that convert natural language prompts into Terraform code, automatically validate and remediate infrastructure errors, and provide cost-saving recommendations. Entirely through the AI Agents built on LangGraph.
- **KLOUDMATE (May2024-FEB2025):** As an AI Research Intern at KloudMate since May 2024, I have worked on developing and implementing projects involving PromQL (Prometheus Query Language). KloudMate is an AWS monitoring and observability platform for serverless workloads, primarily focusing on monitoring Large Language Models (LLM). My contributions include developing a tool that converts natural language to PromQL for monitoring, enhancing the platform's capabilities in tracking and optimizing LLM performance.
- **PURE-CURE (Oct2023-Dec2023):** As ML Intern at PureCure -Spearheaded transformative initiatives at PureCure, leading the development of medical support chatbots for rural India. Utilizing Language Model (LLM) technology, I orchestrated the training of these bots in various regional languages, contributing to accessible healthcare communication across diverse communities.

INTERESTS

- Passionate about artificial intelligence and machine learning.
- Enthusiastic about solving real-time problems and contributing to innovative solutions.