Aakash Bakhle

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Experience

Wingify
Pune
Senior Software Engineer
May 2024 - Present

- Integrated **image generation using Flux Schnell** in our Editor Copilot allowing users to customize images along with text for their website variations.
- Created PoC of implementing ideas that were generated by VWO's Idea Generation tool. This means users can **implement ideas suggested by the AI directly on their site via the Editor Copilot**. This is under development.
- Setup **Langfuse** to instrument all LLM calls. This gave us visibility into token usage and optimized prompts for couple of features helping in cost reduction.
- In Feb'25 I was given the **CEO's club award** by upper management - a recognition for my work and initiatives over the past six months.

Nintee
Pune
Software Engineer
Jan 2023 - Apr 2024

- Worked extensively on the **backend of the Nintee app**. The app helped users build or break habits with the help of a chatbot and a social feed. Designed database models, background processing via RQ workers. Proactively learnt and setup a **TDD** culture in the Engineering team.
- Designed the **Nintee Bot on Discord** to assess, breakdown and respond with an actionable plan based on the challenge mentioned by the User. The users would also get **contextual reminders** that were designed to be nudges.
- Before **RAG** became popular, I created a health search engine based on **150k minutes** content from 6 YouTube channels. Used Apache Airflow for fetching new vidoes everyday and processing into vectors. Progress was tracked on Postgres and vectors were stored on Pinecone. The service was integrated into the then Nintee website and would be later included in the Discord Bot via commands.

Centre for Development of Advanced Computing (C-DAC)
Pune
Project Engineer (NLP R&D) - Applied AI Group
Mar 2021 - Jan 2023

- Worked on end-to-end Coreference Resolution on English texts using SpanBERT. Modified OntoNotes 5.0 programatically to reduce large clusters while retaining named entities for coreference resolution task. Achieved **77%** using AllenNLP trainer on RoBERTa-large model.
- Working on end-to-end 360-degree profiling of person entities from unstructured text. Using BERT based model for relation extraction, building custom dataset for said task.

Cognizant Technology Solutions
Chennai - Bangalore
Developer - Oracle Fusion Middleware
Nov 2017 - Feb 2020

- Led a team of 3 members, wrote Oracle Data Integrator (ODI) code for data migration for a retail client based out of the middle-east.

Education

Centre for Development of Advanced Computing (C-DAC)
Pune
PG Diploma Artificial Intelligence - *Grade: A*
Feb 2020 - Feb 2021

Smt. Kashibai Navale College of Engineering
Pune
B.E. Computer Engineering - *72%*
Aug 2013 - Jul 2017

Languages and Technologies

- Python
- PostgreSQL, Redis, Pinecone
- Langchain, Instructor, HuggingFace, Ollama
- Git, FastAPI, Streamlit, Docker, Terraform