

PRADYUMNA PRASAD

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Summary

A highly motivated AI/ML undergraduate proficient in Python, Java, and C++, leveraging frameworks like FastAPI, Streamlit, and LangChain to build innovative generative AI applications. My expertise encompasses various AI models (Google GenAI, OpenAI, etc.) and RAG techniques, coupled with strong database (MySQL) and version control (Git) skills. I seek opportunities to contribute my skills to impactful projects within the tech industry.

Skills

Languages: Python, Java, C++

Frameworks/Tools: FastAPI, Streamlit, OpenCV, Git

AI/ML: Google GenAI, OpenAI, Sarvam AI, CrewAI, LangChain, RAG

Databases: MySQL

Education

Siddaganga Institute Of Technology

Aug 2023 -2027

Bachelor's Degree in Computer Science and Engineering (AIML)

CGPA: 9.14

Vidyaniketan PU College

2021 - 2023

Senior Secondary

Percentage: 96.14

Projects

AI-Powered Resume Maker

- A sophisticated, AI-driven web application built with Streamlit and LangChain that empowers users to create professional, polished resumes with ease.
- Leverages the power of Large Language Models (LLMs) through the Google Gemini API to automate and enhance various aspects of the resume-building process.

Technologies: Streamlit, LangChain, Google Gemini API (gemini-1.5-flash), ReportLab, pypdf, BeautifulSoup4, Python
GitHub: AI-Powered Resume Maker

Dual Insight Engine: A Comparative RAG Dashboard

- An advanced AI-powered dashboard that performs a side-by-side comparative analysis of two documents using a dual-corpus Retrieval-Augmented Generation (RAG) architecture.
- Upload two PDF documents, and the application retrieves relevant information from both sources to generate a structured comparison with metrics, summaries, and data visualizations.

Technologies: Python, Streamlit, ChromaDB, Sentence-Transformer, Gemini API
GitHub: Dual Insight Engine

Achievements

- Open Innovation Track Winner at NMIT Hacks 2025, a 48-hour National Level Hackathon organized at NMIT, Bangalore.
- First Place, Best Project at IDEEEas 2025, an IEEE event at Siddaganga Institute of Technology recognizing innovation and technical excellence.