

PRINCE KUMAR

AI Engineer | Web Developer — B.Tech CSE (AI & ML), CMR University

+91 7667027568 | prkr8132@gmail.com | [linkedin.com/in/prince-kumar-bhagat](https://www.linkedin.com/in/prince-kumar-bhagat) | github.com/Prince-Kumar-26 | prince-kumar-portfolio.vercel.app | Bengaluru, India

SUMMARY

B.Tech CSE (AI & ML) student focused on building production-grade RAG and LLM-powered systems. Experienced in designing multi-tenant retrieval pipelines, vector databases, and full-stack deployment with Next.js, FastAPI, and Docker, backed by three machine learning internships.

SKILLS

Python, LangChain, RAG, LLM APIs (Groq, Google Generative AI), FastAPI, Next.js/TypeScript, Docker, Pinecone (Vector DB), Langfuse, Machine Learning, Scikit-Learn, NumPy, Pandas, DSA, Streamlit, GitHub

PROJECTS

RAG Node Pro — Multi-Tenant RAG Research Assistant Platform

05/2026 - 06/2026

Live: rag-node-pro.vercel.app/ | Repo: github.com/Prince-Kumar-26/rag-node-pro

- Built a full-stack, multi-tenant RAG platform (Next.js/TypeScript + FastAPI) letting users upload documents and query them via isolated, namespace-based vector search in Pinecone
- Engineered a context-aware conversational retrieval pipeline with LangChain's history-aware retriever and Llama 3.1 8B on Groq LPUs, delivering sub-second streaming responses via SSE
- Designed the ingestion pipeline with recursive character chunking (1,000/200-char overlap) and Google Generative AI embeddings for high-dimensional semantic search
- Added end-to-end observability (Langfuse: latency, token usage, cost) and containerized, multi-cloud deployment (Docker, Vercel + Render)

AI-Powered Resume & Career Fit Analyzer

03/2026 - 05/2026

Live: huggingface.co/spaces/Princekumar8132/resume_analyser | Repo: github.com/Prince-Kumar-26/AI-Resume-Analyser

- Built an ML-powered pipeline that parses a resume and scores its fit against a target job description
- Recommends missing skills and relevant courses tailored to the specific job description/role
- Built with Python and Streamlit; deployed publicly on Hugging Face Spaces

A Website for Travel Agency

05/2025 - 07/2025

Live: try-04.vercel.app/ | Repo: github.com/Prince-Kumar-26/gj-trial-04

- Developed a user- and SEO-friendly website for a travel agency to showcase trips globally
- Built booking functionality allowing users to book trips offered by the agency

EXPERIENCE

Web Developer Intern | Rosanisa Xperiences LLP

04/2025 - 07/2025 | Bengaluru

- Researched the company's target industry and business goals to inform platform design and content strategy
- Built and deployed an SEO-friendly travel agency website to showcase trip offerings to a global audience

Machine Learning Intern | Prodigy InfoTech

01/2025 - 02/2025 | Remote

- Built a linear regression model on a dataset of 1,000+ records to perform predictive analysis across multiple numeric features
- Applied K-Means clustering to segment 1,000+ unlabeled data points into distinct groups based on key behavioral features
- Built an SVM-based image classifier trained on a labeled, multi-class image dataset

Machine Learning Intern | Cognifyz Technologies

12/2024 - 01/2025 | Remote

- Built a regression model on a dataset of several hundred restaurant records to predict ratings using features like cost, location, and cuisine type
- Developed a content-based recommendation model to suggest restaurants from a catalog of hundreds of listings, based on user preference features

EDUCATION

Bachelor of Technology, CSE (AI & ML) | CMR University

09/2023 - Present | Bengaluru | CGPA: 7.98

12th Grade (CBSE) | Mothers' International Academy

04/2022 - 03/2023 | 82%

10th Grade (CBSE) | Mothers' International Academy

04/2020 - 03/2021 | 90%