

DHAVALA DINESH KUMAR

AI Engineer – LLM Engineer – Prompt Engineer

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SUMMARY

AI Engineer and Prompt Engineer specializing in LLM-powered applications and RAG systems, I focus on building scalable AI systems that enhance user engagement and automate complex workflows. My expertise includes developing production-level AI applications with robust functionalities, ensuring performance optimization, and streamlining processes through innovative solutions

EDUCATION

B.Tech in Computer Science and Engineering

International Institute of Information Technology

08/2024 - 05/2028 | Bhubaneswar

Higher Secondary Education (Class 12)

Narayana School

04/2018 - 04/2023 | Visakhapatnam

Secondary School (Class 10)

Narayana School

04/2017 - 04/2018 | Visakhapatnam

PROJECTS

Your Love Story

Play Store

AI-Powered Interactive Game

- Engineered a real-time LLM-based storytelling system generating personalized narratives for 100+ user sessions
- Implemented multi-turn memory pipelines, improving response consistency by approximately 40%
- Optimized prompt structures, reducing hallucination/errors by approximately 25%
- Enabled 10+ branching decision paths per session, increasing user engagement

AI Resume / Document Analyzer

RAG System

- Built a document analysis pipeline processing 50+ PDFs/images and extracting structured information.
- Applied semantic retrieval and embeddings, improving output accuracy by approximately 35%.
- Automated validation workflows, reducing manual effort by about 80%.

ShopParva

Scalable E-commerce Platform

- Architected a full-stack e-commerce platform supporting 100+ products and user workflows.
- Improved frontend performance, achieving approximately 30% faster load times.
- Deployed scalable backend infrastructure on AWS, reducing downtime by approximately 20%.

KEY ACHIEVEMENTS



AI-Powered Applications Development

Built multiple AI-powered applications using LLMs and real-time systems



AI Storytelling System

Engineered a production-level AI storytelling system supporting 100+ user sessions with personalized outputs and ~40% improved response consistency



AI Product Development

Built and deployed multiple AI applications with measurable improvements in performance, accuracy, and user engagement

SKILLS

Python | C/C++ | OpenAI (GPT)

LangChain | RAG

Anthropic (Claude) | Google Gemini

TensorFlow | PyTorch

Hugging Face Transformers

MongoDB | PostgreSQL | Pinecone

AWS | Docker | React | Next.js

Flutter | React Native | NumPy

Pandas | FastApi | Git | GitHub

Prompt Engineering

Context Engineering

LLM Applications | RAG Pipelines

INTERESTS



Tech Community Member

Participating in AI, development, and innovation-focused initiatives