

Prince Kumar

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EDUCATION

Indian Institute of Information Technology Dharwad

Bachelor of Technology in Data Science and Artificial Intelligence

- CGPA : 8.22/10.0

Dharwad, Karnataka

Nov 2022 – Present

COURSEWORK

- Data Structures
- Algorithms
- Machine Learning
- DBMS
- Operating System
- Software Engineering
- Computer Networks
- Object-Oriented Programming
- Large Language Model

TECHNICAL SKILLS

Languages: Java, Python, C++ (Familiar), JavaScript (Familiar)

Frameworks: Spring Boot, Django, Flask

Databases: MySQL, PostgreSQL

Python Libraries: Transformers, TensorFlow, PyTorch, Scikit-learn, spaCy

Deep Learning NLP: Hugging Face, LLaMA, LoRA/QLoRA, LangChain, Claude, GPT, BERT, Mistral

Tools: Git, Docker, Kubernetes, AWS, Linux

EXPERIENCE

AI/ML and Backend Engineering Intern

Jan 2025 – March 2025

Fix-it.ai

Remote

- Developed and optimized backend API endpoints capable of handling up to 5000 concurrent user requests.
- Engineered an intelligent chatbot system that enables users to query insights from uploaded call transcripts.

PROJECTS

Smart Doc AI | Gemini, Google custom search, Huggingface, Kaggle

[🐙 GitHub](#)

- Developed an end-to-end NLP pipeline for smart document processing, combining BERT-based multi-label classification, PEGASUS summarization, and spaCy-powered entity extraction to automate insights from unstructured enterprise content.
- Implemented explainable NLP models using LIME and SHAP to provide token-level rationale for classification decisions, enhancing model interpretability and aligning with enterprise audit and compliance standards.

AI-Research Agent System | Gemini, Google custom search, Huggingface, Kaggle

[🐙 GitHub](#)

- Designed and implemented an advanced autonomous AI Agent system to generate tailored AI/GenAI use cases by conducting in-depth industry analysis, market research, as well as the helpful resources from different platforms.
- The agent analyzes market trends, collects datasets from platforms like Kaggle, Github, arXiv and Huggingface, and provides actionable insights to optimize operations and enhance customer experiences.

Saarthi - multilingual AI assistant | Gemini-flash-2.0, AI4Bharat IndicTrans model

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- Built an AI based multilingual chat application specially for Indian languages, eg. Hindi, Kannada, Marathi, etc.
- Implemented automatic language detection and bidirectional translation using IndicTrans, enabling seamless user interaction in native languages.

CERTIFICATIONS

Supervised ML: Regression and Classification - DeepLearning.AI

Issued Feb 2024

Advanced Learning Algorithms - DeepLearning.AI

Issued April 2024

Unsupervised Learning, Recommenders, Reinforcement Learning - DeepLearning.AI

Issued July 2024