

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
- Database Management
- Software Engineering
- Object-Oriented Programming
- Algorithms
- Operating System
- Computer Networks

TECHNICAL SKILLS

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

Frameworks: Spring Boot, Django, Flask

Databases: MySQL, PostgreSQL

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

Tools: Git, Docker, Kubernetes, AWS, Linux

EXPERIENCE

AI/ML and Backend Engineering Intern

Jan 2025 – March 2025

Fix-it.ai

Remote

- Created optimized API endpoints that can handle upto 5000 concurrent request from the user side.
- Developed the chatbot which enables user to ask questions based on the provided call transcript.

AI Engineer Intern

April 2025 – June 2025

Vocab.ai

Remote

- Built an end-to-end multilingual conversational AI pipeline using AI4Bharat ASR, Gemini LLM for response generation, and Indic TTS.
- Fine-tuned Wav2Vec2 on 50+ hours of noisy telephonic data to address poor ASR performance caused by compression artifacts and low bandwidth.

PROJECTS

Ride hailing backend application | *SpringBoot, JWT, REST apis, FCMS, websockets, razorpay, mysql* [GitHub](#)

- Built a MVP ride hailing backend application similar to Uber or Ola.
- Used WebSocket, FCMS(Firebase cloud messaging service) to send notification to driver and riders, MySQL as primary database, Hibernate as the ORM

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

[GitHub](#)

- Designed and implemented an advanced 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*

[GitHub](#)

- Built an AI based multilingual chat application specially for Indian languages, eg. Hindi, Kannada, Marathi, etc.
- User can input the query in any indian language, the system automatically detect the language, then the IndicTrans model will translate it into English and generate the response, then the response is translated back into original language as the final response.

ACHIEVEMENTS

- **SBI Life hack-AI-thon (2025)** – Top 17 finalist
- **Amazon ML Challenge (2024)** – Ranked 138 in India