HARSH KUMAR

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PROFILE

A diligent and highly motivated professional eager to apply a blend of knowledge and skills to enhance business performance. Excels in both individual and team environments, leveraging a strong work ethic to quickly adapt to diverse processes and drive company goals. Resourceful and results-oriented, with a passion for growth and efficiency to meet organizational needs and increase service value

EDUCATION

- **Bachelor of Computer Science and Engineering**
  BMS Institute of Technology and Management, Bengaluru (2022–2026)

- **Delhi Public School, Bokaro**
  AISSCE – 83% (2022)
  AISSE – 86% (2020)

SKILLS SUMMARY

- **Programming Languages:** C, C++, Python, JavaScript

- **Web Technologies:** HTML, CSS, React, Next.js, FastAPI

- **Databases & Tools:** MySQL, Postman, Git

- **ML Tools & Techniques:** Retrieval-Augmented Generation (RAG), Large Language Models (LLMs)

- **Core Competencies:** Data Structures & Algorithms, API Development, Full-Stack Development

- **Soft Skills:** Effective Communication, Team Collaboration, Analytical Problem-Solving

PROJECTS

- **EduAssist – AI Learning Assistant**: An AI assistant that enhances learning by converting audio lectures and academic PDFs into actionable insights.

  - Audio transcription using Whisper.cpp
  - LLM-powered query answering over documents
  - Insight extraction from PDFs and unstructured files
  - Tech: RAG, FastAPI, React, OpenAI, Document Analysis

- **GapGuide – Personalized Job Matching with Skill Gap Insights**: AI-based career guidance platform that analyzes resumes to recommend suitable job roles and learning paths.

  - Resume parsing and semantic skill extraction
  - Job-role matching beyond keyword-based methods
  - Identification of missing competencies and skill gaps
  - Personalized upskilling recommendations
  - Tech: React, Node.js, LangChain, RAG, Fine-tuned LLM, PDF Parsing

- **Employee Payroll Management System**: A user-friendly system to manage employee data and automate payroll processing.

  - Managed employee records and salary calculations
  - Improved payroll accuracy and transparency
  - Reduced manual effort in payroll operations
  - Tech: Java, MySQL, Data Structures and Algorithms

CERTIFICATIONS AND ACHIEVEMENTS

Certifications

- NPTEL Online Certification – Business Fundamentals for Entrepreneurs, IIT Bombay   *Jan – Apr 2025*

- NPTEL Online Certification – Responsible & Safe AI Systems, IIT Hyderabad   *Jul – Oct 2025*

- Software Engineering – Infosys Springboard
  Explored SDLC models, design principles, and software project planning

Awards & Achievements

- Secured **1st place** in *"HACK THE WALLS"* Hackathon conducted by IEEE Computer Society, BMSIT&M

- **Runner-up** in *"InCSEption"* Hackathon conducted by Dept. of Computer Science Engineering, BMSIT&M