HIMANSHU KUMAR

Ara, Bihar

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PROFILE

- Enthusiastic Computer Science undergraduate passionate about **software development**, **machine learning**, and **NLP**. Seeking opportunities to apply technical knowledge in impactful real-world projects.

EDUCATION

Indian Institute of Information Technology, Kalyani **2022 – 2026**
*B.Tech, Computer Science and Engineering – **CGPA: 7.32*** *Kalyani, West Bengal*

Narayana Junior College **2020 – 2022**
*CBSE – MPC – **Percentage: 91.21%*** *Vizag, Andhra Pradesh*

COURSEWORK & SKILLS

- Data Structures & Algorithms
- Operating Systems
- Network Security
- DBMS
- Artificial Intelligence
- OOPS
- Web Development

PROJECTS

Bank Management System **GitHub**
- Built a GUI-based desktop banking system to manage customers, transactions, and employees efficiently.
- **Technologies:** Python, Tkinter, MySQL, SQL Connector, Tkcalendar

Rule-based Sanskrit Sandhi Splitter **GitHub**
- Designed a rule-based NLP tool to split compound Sanskrit words using classical Sandhi rules.
- **Technologies:** Python, NLTK, Recursive Algorithms, Custom Sandhi Dictionary

ML-based Sanskrit Sandhi Splitter **GitHub**
- Developed a deep learning model using BiLSTM and attention to predict Sandhi splits in Sanskrit.
- **Technologies:** Python, TensorFlow, BiLSTM, Attention Mechanism, Keras, Pandas, NumPy

Personal Portfolio Website **GitHub** — **Live Demo**
- Built a responsive portfolio website with dark theme and animations to showcase skills and projects.
- **Technologies:** React, Tailwind CSS, TypeScript, Framer Motion, Vite

CERTIFICATIONS

HackerRank **Feb 2024**
Python (Basic) Certificate *View Certificate*

HackerRank **May 2025**
SQL (Intermediate) Certificate *View Certificate*

Deloitte Online Program **May 2025**
Data Analytics Certificate *View Certificate*

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, SQL
- **Developer Tools:** VS Code, GitHub, Cisco Packet Tracer
- **Technologies:** Linux, ReactJS, NodeJS, ExpressJS, Git, MongoDB, MySQL

COMPETITIVE PROGRAMMING & CODING PLATFORMS

- HackerRank: Solved **300+ problems** in Python, Data Structures, Algorithms, SQL.
- LeetCode: Solved **150+ problems** in Arrays, Graphs, DP, Trees, and more.

EXTRACURRICULAR & INTERESTS

- Organized Ganpati Puja celebrations for four consecutive years at IIIT.
- Represented IIIT Kalyani in inter-IIIT cricket tournaments.
- Creative writing enthusiast — passionate about Shayari and poetry.
- Keen to explore new ideas, people, and learning opportunities.