

HIMANSHU KUMAR

Ara, Bihar

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Summary

- Computer Science undergraduate with experience in **software development**, **machine learning**, and **natural language processing**. Skilled in Python, React, and deep learning frameworks. Seeking to contribute to impactful tech solutions.

Education

Indian Institute of Information Technology, Kalyani

B.Tech in Computer Science and Engineering — CGPA: 7.43

2022 – 2026

Kalyani, West Bengal

Narayana Junior College

CBSE (MPC) — Percentage: 90.4%

2020 – 2022

Vizag, Andhra Pradesh

Skills

- **Languages:** Python, Java, C, C++, JavaScript, SQL
- **Technologies:** ReactJS, NodeJS, ExpressJS, MongoDB, MySQL, Git, Linux
- **Tools:** VS Code, GitHub, Cisco Packet Tracer
- **Coursework:** Data Structures, Algorithms, OS, DBMS, AI, OOP, Network Security

Projects

Bank Management System

GitHub

- GUI-based system for managing bank customers, transactions, and employees.
- **Technologies:** Python, Tkinter, MySQL, SQL Connector, Tkcalendar

Rule-Based Sanskrit Sandhi Splitter

GitHub

- Rule-based NLP tool for splitting compound Sanskrit words using Sandhi rules. Tested on over 250 Sanskrit words and achieved an accuracy of 72%.
- **Technologies:** Python, NLTK, Recursive Algorithms, Custom Dictionary

ML-Based Sandhi Splitter

GitHub

- Developed a BiLSTM-based Seq2Seq model with attention mechanism to predict Sandhi splits in Sanskrit. Trained on a dataset of 10,300 words and tested on over 1,200 words, achieving an accuracy of 70%.
- **Technologies:** Python, TensorFlow, Keras, Pandas, NumPy

Personal Portfolio Website

Live Demo

- Responsive portfolio website to showcase projects and skills.
- **Technologies:** React, Tailwind CSS, TypeScript, Framer Motion, Vite

Certifications

Python (Basic) – HackerRank

Feb 2024

View Certificate

Link

SQL (Intermediate) – HackerRank

May 2025

View Certificate

Link

Data Analytics – Deloitte Virtual Program

May 2025

View Certificate

Link

Competitive Programming

- **HackerRank:** Solved 300+ problems in Python, DSA, SQL
- **LeetCode:** Solved 150+ problems in Arrays, Graphs, DP, Trees

Extracurricular Activities

- Organized Ganpati Puja celebrations at IIIT for four years.
- Represented IIIT Kalyani in inter-IIIT cricket tournaments.
- Creative writing enthusiast — passionate about Shayari and poetry.