

# KUNDAN KUMAR TIWARI

Varanasi, Uttar Pradesh, India

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🌐 [Kundan Kumar Tiwari](#)

🐙 [Github](#)

📖 [LeetCode](#)

🏆 [Codeforces](#)

## EDUCATION

National Institute of Technology, Rourkela

12/2021 – 06/2025

B.Tech., Mechanical Engineering - **CGPA 8.07**

Rourkela, India

SRB School

03/2020

CBSE - Intermediate(10+2) - **Percentage - 89.8%**

Varanasi, Uttar Pradesh, India

## COURSEWORK

- Data Structures and Algorithms
- Database Management
- Structured Query Language(SQL)
- OOPs
- Computer Networks
- Operating Systems
- Machine Learning
- Natural Language Processing(NLP)

## EXPERIENCE

Machine Learning Intern

May 2024 – July 2024

IIT BHU

(Github)

- Implemented deep learning recommendation systems (GCF, MLP, hybrid) for Steam Video Game data with accuracies: **GCF 75%, MLP 73%, hybrid 71%**.
- Evaluated models with top 10 recommendations using **100** unseen games and **1** holdout game per user.
- Developed and implemented distributed systems and machine learning algorithms; optimized data processing efficiency, reducing processing time by **40%** and enhancing data retrieval accuracy by **25%**.

## PROJECTS

HealthBot 📄 | Python, PyTorch, NLP, Streamlit

- Virtual assistant handling health-related queries and support, enhancing customer interactions with a **50%** reduction in support issues and improving accuracy by **30%**.
- Integrated NLP and ML, boosting chatbot accuracy by **30%**.
- Shortlisted in **top 50** teams for Xiaomi Ode2Code Hackathon.

ChatPDF 📄 | Python,LLM,OpenAI

- Concurrently processed and extracted data from up to **20 PDFs per min**, reducing data retrieval time by 40% and improving project efficiency by **15%**.
- Developed within **48 hours** as a team project for **HackOdisha 5.0**.

Blood Bank Management System 📄 | MERN Stack

- Implemented MVC architecture for **15,000+** blood donor records, optimizing data management and user interaction.
- Developed responsive frontend with React, achieving **95%** code coverage in unit tests.
- Integrated backend with MongoDB Atlas, handling **750+** requests/sec, tested **20+** API endpoints.

## TECHNICAL SKILLS

- **Languages:** C, C++,Python
- **Technologies/Frameworks:** PyTorch,LLM,OpenCV,Javascript,React,HTML,Postman,Express,NodeJs,CSS
- **Database:** MongoDB,SQL

## ACHIEVEMENTS

- **RACCAM Hackathon 2024:** Ranked top 10, achieved **79%** accuracy with a deep learning model.
- **Xioami Ode2Code 2023:** Attained top **50** ranking.
- **Google CodeJam 2023:** Secured **1543rd** place.
- **Codechef:** Ranked **53** in CodeChef Long contest.
- **Codeforces:** Achieved **3884th** place in Educational Codeforces Round 855, Div. 3.
- **Leetcode:** Solved **500+** DSA problems, with a peak rating of **1797**.

## EXTRACURRICULAR ACTIVITIES

Algorithmic and Programming Society

2023 – Present

- **Core Technical Member** Lead the team of 300+ Coding Enthusiast hosted multiple events,and contests .