

# SHANTANU KUMAR

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## EDUCATION

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### Amity University

Bachelor in Computer Application – CGPA : 9.02

Jharkhand, India

Sept 2023 – May 2026

## EXPERIENCE

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### IOT & Data Analytics Intern

NIT Rourkela

July 2025 – Aug 2025

Rourkela, In

- Integrated IoT sensors for real-time data collection in a home automation system using **Arduino and Python**, and performed data analysis using **Pandas, NumPy, and Matplotlib**.
- Developed a **Home Price Prediction** model using **Python and Scikit-learn**, applying regression techniques under faculty guidance.

### Data Analytics Summer Intern

Sai Nath Transport

June 2024 – Aug 2024

Ramgarh, Jharkhand

- Created reports and dashboards using **Excel, SQL, and Python** to support data-driven decision-making.
- Analyzed datasets and optimized workflows by collaborating with cross-functional teams, improving operational efficiency.

## PROJECTS

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### Remote Interview platform | MERN | [LIVE](#)

Oct 2025 – Jan 2026

- Developed a real-time platform for **1-on-1 coding interviews** with a shared coding workspace, live video call, and chat.
- Implemented **session-based access control**, allowing only one host and one participant per active interview session.
- Built a dashboard for **coding practice, live session management, and past session tracking**.

### My Portfolio | HTML, CSS, JS | [LIVE](#)

- Developed a responsive personal portfolio website using HTML, CSS, and JavaScript to showcase skills and projects.
- Implemented a theme switcher and interactive UI components to enhance user experience.
- Optimized layout and performance for all screen sizes, ensuring a clean and consistent UI across devices.

### Sorting & Searching Visualizer | HTML, CSS, JS | [LIVE](#)

July 2025

- Developed an interactive Sorting & Searching Visualizer with real-time animations to demonstrate algorithm behavior.
- Implemented multiple algorithms including Quick Sort, Merge Sort, and Binary Search for clear performance comparison.

## CERTIFICATES / ACHIEVEMENTS

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- Remote Interview platform : Attracted 100+ users.
- 300+ DSA Questions Solved on LeetCode.
- Won many College Level Hackathons and Idea Presentations.
- DSA using Java : by Apna College(Certification) | MERN Stack : by Apna College(Certification)

## TECHNICAL SKILLS

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**Programming Language** : Java, JavaScript, Python

**Databases** : MySQL, MongoDB

**Frameworks/Libraries** : React, Express

**Tools/Technologies** : Git/GitHub, Linux

**Core Concepts** : DSA, Object-Oriented Programming (OOP), Operating Systems, Computer Networks