

# ANUSHKA JANA

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## ABOUT ME

I am a motivated B.Tech student specializing in Computer Science with IoT, Blockchain and Cybersecurity. Curious and driven technologist specializing in AI, IoT, and modern web development. I enjoy designing intelligent systems that improve safety, efficiency, and user experience. Fast learner, team-player, and motivated to build scalable tech products.

## EDUCATION

### University of Engineering & Management, Kolkata

- B.Tech Computer Science & Engineering(IoT, CS, BT) | CGPA: 8.3(Up to 7<sup>th</sup> semester)

### Vidya Sagar Vidya Pith girls' High School

- WBCHSE (Class XII), Aggregate: 88%
- WBBSE (Class X), Aggregate: 83.4%

## EXPERIENCE

### IEDC Lab, University of Engineering & Management, Kolkata

JUN 2024-DEC 2024 | KOLKATA

- Researched IoT and AI applications for smart transportation and vehicle safety systems.
- Contributed to AI-driven traffic control using YOLOv5, ML models, and IoT sensors.
- Assisted in developing crash detection, driver health monitoring, and SOS automation modules.

## PROJECT

### CardioSense: A Data-Driven Heart Disease Prediction System | (Python, Scikit-learn, Matplotlib, Seaborn) | GitHub: <https://github.com/Anushka03716/DataScience>

- Developed a **machine learning heart disease prediction system** using clinical data.
- Performed **EDA, data preprocessing, and model comparison** (Logistic Regression, KNN, SVM).
- Optimized and evaluated models using **cross-validation and classification metrics**.

### AI Chatbot (ChatGPT-style) | (React, Tailwind CSS, JavaScript, Python, REST APIs) | GitHub: <https://github.com/Anushka03716/aichatbot>

- Designed an **AI chatbot system** with intent handling and conversational flow management.
- Implemented **text preprocessing, prompt engineering, & response ranking** for better result.
- Deployed the chatbot with **API integration, error handling, and performance optimization**.

## SKILLS

- **Proficient:** C++ | Python | SQL | C | Data Science
- **Subject of Interest:** Data Structures and Algorithms, Object-Oriented Programming.
- **Frontend Development:** HTML | CSS | JavaScript | React |
- **Framework:** Node.js, Numpy, Pandas, Scikit-learn
- **Soft Skills:** Communication | Teamwork | Critical Thinking

## EXTRACURRICULAR ACTIVITY:

- **Volunteer** in ECSTASIA | Participated in **HACKFEST** (college hackathon)