

JEET SARKAR

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[Portfolio](#) - [GitHub](#) - [LinkedIn](#) - [Leetcode](#)

Professional Summary

Tech enthusiast with expertise in ML, DL, NLP, Web Development, and DSA. Skilled in integrating Arduino and ESP micro-controllers for IoT projects and hardware-software solutions. Passionate about building scalable systems and solving complex problems.

Skills

- **Programming Languages:** C++, Python, HTML, CSS, C, SQL, JavaScript (ES6+), TypeScript
 - **Frameworks:** Django, Flask, React.js, Next.js
 - **Tools & Libraries:** Tailwind, Scikit-Learn, Matplotlib, Seaborn, VS Code
 - **Database:** MySQL, MongoDB, PostgreSQL, NeonDB, Prisma(ORM)
 - **Version Control & Deployment:** Git, Github, Vercel, Render, Streamlit
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Internships

Data Science Intern — Unified Mentor (August 2024 – February 2025)

- Worked on data collection, preprocessing, and feature engineering for ML models.
 - Conducted exploratory data analysis (EDA) and visualized trends using tools like Matplotlib and Seaborn.
 - Assisted in building predictive models to enhance decision-making processes.
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Projects

LumenHive - A smart home automation system

- Tech Stack: IoT (ESP32, Arduino), Node.js, React, Mongodb, Express.js, Clerk, Machine Learning
- Description: Developed a smart home automation application that enables remote control of lights, appliances and security systems via a web app.
- Key Features: Voice control, smart scheduling, and real-time energy monitoring.

CodeMorph - Algorithm visualization platform

[Github](#) | [Live](#)

- Tech Stack: Next.js, NeonDB, Prisma, Clerk
- Description: Developed a web application for visualizing data structures and algorithms efficiently
- Key Features: Visualize different types of algorithm and data structure , practice problems, monitor performance.

Diabetes Prediction App

[Github](#) | [Live](#)

- Tech Stack: Python, Flask, Scikit-learn, HTML, CSS, Streamlit
 - Description: Designed a machine learning-based web application to predict diabetes risk based on user inputs. Leveraged data analytics and predictive modeling to enhance early detection.
 - Key Features: Trained with real-world datasets, Predicts the likelihood of having diabetes
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Education

- B.Tech in Electronics & Communication Engineering--- Heritage Institute of Technology, kolkata (2022-2026)
CGPA: 8.7
 - 12th- Tasarala Sarberia Sanatan High School(H.S)(WBCHSE) (2020-2022)
Percentage: 94%
 - 10th- Tasarala Sarberia Sanatan High School(H.S)(WBBSE) (2014-2020)
Percentage: 92.7%
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Certifications

- [Machine Learning](#) (Udemy)
 - [Deep Learning](#) (Infosys Springboard)
 - [Data Analytics](#) (Forage)
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Achievements

- [95.56 percentile in naukri campus young turks](#) (Naukri)