

# Sharanya Chakrabarti

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## Executive Summary

4th-year CSE student with strong foundations in Python, Java and Cloud Computing. Experienced in AI/ML projects, including NLP, predictive modeling, and intelligent systems like Kai AI Desktop Assistant and ML classifiers. Passionate about applying software and AI skills to solve real-world problems.

## Education

**Geethanjali College of Engineering and Technology**, B. Tech in Computer Science Engineering 2022 – 2026

- GPA: 8.74/10

**Excellencia Junior College**, Senior Secondary(Science) 2020 – 2022

- Percentage: 96.6%

**Sri Chaitanya High School**, Secondary Education

- Percentage: 93.6%

## Achievements/Certifications

- AWS Certified Cloud Practitioner Nov 2025
- Introduction to Software Engineering Sept 2025
- Java Programming by ORACLE Academy May 2024
- Python Programming Oct 2023 – Jan 2024
- Python Bootcamp Oct 2022

## Work Experience

- Google AI-ML Virtual Internship | AI-ML Intern May 2024
- Cantilever Labs | AI-ML Intern May 2024
- Indian Institute of Technology, Delhi | AI-ML Intern May 2025

## Projects

**Green Building Energy Usage Optimizer** 2025

- An intelligent system that analyzes real-time building data to predict and minimize energy consumption. Combines robust software engineering with AI/ML models for automated pattern detection, optimization, and smart control recommendations.

**Classification of Anomalies and Batches** 2025

- Developed a machine learning pipeline, at IIT Delhi, to classify production batches and detect anomalies using Raman spectra. Achieved 88% accuracy with Random Forest and enhanced interpretability through SHAP analysis

**Kai – Virtual Desktop Assistant** 2024

- Developed Kai, an AI-powered virtual desktop assistant using Python and AIML at Cantilever Labs, integrated NLP and ML for intelligent query handling and voice interaction, integrated features like speech recognition and context-based task execution.

## Skills

- **Programming Languages:** Python (Pandas, Numpy), Java, MySQL
- **Software Engineering:** SDLC & SDLC Models, Object-Oriented Programming
- **Web Development:** HTML, CSS, JavaScript
- **AI / ML:** Model Training, Evaluation, Regression, Clustering
- **Cloud & Deployment:** Amazon Web Services (EC2, S3, IAM, etc.)
- **Spoken Languages:** English, Hindi, Bengali