



# 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

<b>Geethanjali College of Engineering and Technology</b> , B. Tech in Computer Science Engineering	2022 – 2026
• GPA: 8.74/10	
<b>Excellencia Junior College</b> , Senior Secondary(Science)	2020 – 2022
• Percentage: 96.6%	
<b>Sri Chaitanya High School</b> , 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

<b>Green Building Energy Usage Optimizer</b>	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.	
<b>Classification of Anomalies and Batches</b>	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	
<b>Kai – Virtual Desktop Assistant</b>	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