




Sreejita Das

 [Github](#)  [Website](#)  [LinkedIn](#)  dassreejita1609@gmail.com  +91 6290532090

EDUCATION

Indian Institute of Information Technology, Guwahati

2022 - 2026

B.Tech Computer Science

CGPA: 8.07/10.0

Sudhir Memorial Institute, Kolkata

June 2022

12th standard

Percentage: 96.4%

Delhi Public School Megacity, Kolkata

March 2020

10th standard

Percentage: 97.6%

SKILLS

Programming Languages: Python, C/C++, Java, JavaScript

Web Development: React.js, Node.js, Express.js, Streamlit, HTML, CSS, Tailwind CSS

Databases: MySQL, SQLite, MongoDB

AI & Machine Learning: LangChain, Groq API, Ollama

Tools & Cloud Services: Git/GitHub, AWS (EC2, S3, RDS), VS Code, Postman, Jupyter Notebook

EXPERIENCE

Academic Research Project — Skin Cancer Lesion Segmentation

IIT Guwahati

Jan 2025 – Apr 2025

- Enhanced R2U-Net with attention gates and hybrid BCE-Dice loss on ISIC 2017 dataset, increasing accuracy by 9.2% and Dice score by 24.3%.
- Improved lesion sensitivity by 26.7% and specificity by 5.1% via attention-based segmentation.


Open Source Contributor — GirlScript Summer of Code 2025

Remote

Jun 2025 – Present


- Contributed to frontend enhancements and conversational chatbot features across 10+ repositories, focusing on improving user experience.
- Implemented reusable UI components, fixed interface bugs, and collaborated with project maintainers through GitHub workflows.

PROJECTS

SQLPro |  *Python, Streamlit, LLMs, LangChain+Groq API, Ollama Embeddings, RAGs, SQLite/MySQL*


Jun. 2025

- Built a smart web-based AI chatbot tool, enabling all users to connect and query any SQLite or MySQL database using natural language or raw SQL via a built-in code editor, reducing query formulation time by 43%
- Leveraged SQLDatabaseToolkit for accurate query generation, with SQLAlchemy ensuring scalable database connectivity, and delivered query history for the last 10 queries and CSV export in a responsive Streamlit UI.

StudyBuddy |  *Langchain, React.js, Node.js+Express, Google Calendar API, Clerk, MongoDB*

April 2025

- Developed an AI-driven all-in-one personalized study assistant that processes uploaded materials to deliver summaries, adaptive quizzes, flashcards, a built-in note-taking feature, along with a smart AI doubt solver, reducing concept mastery time by 47%.
- Enhanced learning with real-time progress tracking, focus timers, motivational affirmations, and calendar sync, improving consistency, along with a scalable authentication system, serving upto an overall of 10,000 users.

HealthScope AI |  *Gemini API, Privy, React+Vite, Tailwind CSS, PostgreSQL*

Nov. 2024

- Created an AI-powered healthcare platform to analyze medical report images and generate tailored treatment plans, cutting manual analysis time by 46%.
- Built a responsive frontend and secure data system with privacy measures, processing 150+ records daily.

ACHIEVEMENTS

- Cleared Flipkart Grid 1.1:** Successfully advanced through the first round of the hackathon.
- Participated in Walmart Sparkathon 2024:** Competed in the innovation hackathon, addressing real-world challenges.
- LeetCode and GFG:** Solved a total of 650+ coding problems.

CERTIFICATIONS

Backend Web Development using MERN stack | *Udemy*

React Development with Next.js, Redux and TypeScript | *Udemy*

Complete Generative AI Course with Langchain and HuggingFace | *Udemy*