

# Lokesh Goenka

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Data Science enthusiast specializing in AI-driven adaptive learning systems. Passionate about NLP, Deep Learning, and Education Technology. Experienced in building personalized learning tools using Python and NLP models.

## EDUCATION

### Masters of Science, Data Science and Computing

*Sri Sathya Sai Institute of Higher Learning*

*July 2023 – Present*

### Bachelors of Science, Computer Science

*Sri Sathya Sai Institute of Higher Learning*

*Aug 2020 – May 2023*

## EXPERIENCE

### Data Science Intern

June 2024 – August 2024

*SIFY, Chennai, Tamil Nadu, India*

- Contributed to building a **Personalized Learning Platform** designed to provide individualized learning paths for students.
- Created the dataset by extracting relevant text from the **NCERT textbooks**.
- Fine-tuned models like **Flan T5 and Llama 3.1** which generates Multiple choice questions with 95% accuracy.

### Co-Founder

February 2023

*Eco-Einsteins*

- Spearheaded initiatives focused on **promoting environmental sustainability** and raising awareness about Eco-conscious practices within the student community.
- Organized events and workshops** to educate and engage students on sustainable living and waste management practices.
- Inspired positive environmental change by fostering a culture of sustainability within the institution.

## PROJECTS

### Personalized Learning Assistant for Students | *Python, NLP*

August 2024 – Present

- Designed an architecture for a Personalized Learning Assistant (PLA) for Students which first analyzes a student's strengths and weaknesses before providing support.
- Created a dataset from **15 NCERT textbooks from 3+ classes**. The text was then used to create Multiple Choice Questions (MCQs)
- Submitted research work to the **Springer Nature Conference - SCMIM 2025** and currently working on Analysis test.

### Saavaad | *HTML5, CSS, React*

January 2023 – March 2023

- Developed a website which helps in translating, summarizing text, and converts text to speech. It helps overcome language barriers, comprehend information efficiently, and enjoy content on the go.

### StorEtellor | *HTML, CSS, JavaScript*

January 2021 – March 2021

- Developed StorEtellor, a web platform enabling children to read interactive stories and learn valuable lessons.
- It was built using HTML, CSS, and JavaScript, and it was my first personal project.

## SKILLS

**Programming Languages & Tools:** Python, SQL, Excel

**Data Science Tools & Libraries:** NumPy, Pandas, Plotly

**Data Visualization Tools:** Power BI

**Development Tools & Database Management:** Git, VS Code, MySQL

**Data Science:** Supervised Unsupervised Learning (Scikit learn), NLP(Hugging Face, Transformers).

**Soft Skills:** Data Storytelling, Communication, Leadership

## CERTIFICATIONS

Data-driven Astronomy,[Coursera](#)

CS50X , edX

Graphic Design in Corel Draw , [Udemy](#)