

# Lokesh Goenka

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Data Science enthusiast specializing in AI-driven learning systems. Passionate about NLP, Deep Learning, and EdTech.

## EDUCATION

### Masters of Science, Data Science and Computing

*Sri Sathya Sai Institute of Higher Learning*

*July 2023 – April 2025*

### Bachelors of Science, Computer Science

*Sri Sathya Sai Institute of Higher Learning*

*Aug 2020 – May 2023*

## EXPERIENCE

### AI & ML Intern

*Soulax, Hyderabad, Telangana, India*

*May 2025 – Present*

- Working on Large Language Models (LLMs) that convert natural language queries into MySQL queries.
- Exploring advanced techniques such as Retrieval-Augmented Generation (RAG) and Reinforcement Learning (RL).

### Data Science Intern

*SIFY, Chennai, Tamil Nadu, India*

*June 2024 – August 2024*

- Contributed to building a **Personalized Learning Platform** designed to provide individualized learning paths for students.
- Fine-tuned models like **Flan T5** and **Llama 3.1** which generates Multiple choice questions with 95% accuracy.

### Co-Founder

*Eco-Einsteins*

*February 2023*

- 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.

## PROJECTS

### Personalized Learning Assistant for Students | *Python, NLP* | [Github Repo](#)

*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.
- Submitted research work to the **Springer Nature Conference - SCMIM 2025** and currently working on Analysis test.

### Saavaad | *HTML5, CSS, React* | [Github Repo](#)

*January 2023 – March 2023*

- Developed a website that 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* | [Link](#)

*January 2021 – March 2021*

- Developed a web platform enabling children to read interactive stories and learn valuable lessons.

## SKILLS

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

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

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

**Data Science:** Supervised & Unsupervised Learning (Scikit-learn), NLP.

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

## PUBLICATIONS

- “Question Generation for Personalised Learning Platform for Students”  
**SCMIM 2025 – Springer Nature Conference**, Presented.
- “From Uniform to Unique: Adaptive K-12 Assessment Using Large Language Models.”  
**CLEF 2025 – Conference and Labs of the Evaluation Forum**, Accepted.

## CERTIFICATIONS

Data-driven Astronomy, [Coursera](#)

CS50X , edX

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