



# Sameeran Nikam

Roll No.:230103089

B.Tech - Mechanical Engineering

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[Github](#)

[LinkedIn](#)

[Website](#)

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology, Guwahati	7.94(Current)	2023-Present
Senior Secondary	HSC Board	82.33%	2023
Secondary	ICSE Board	96.16%	2021

## PROJECTS

### • Semi Supervised Weed Detection Model

February 2025

*Kriti 2025 Problem Statement*

[Link](#)

- Engineered a YOLOv8-based weed detection model addressing real-world agricultural challenges.
- Applied advanced methodologies such as FixMatch and high-confidence pseudo-labeling.
- Enhanced model performance using innovative data augmentation and semi-supervised learning techniques.

### • Agrow- A farmer management system

March 2025

*ImpactHacks Prayatna 2025*

[Link](#)

- Developed Agrow, an AI-powered web platform to optimize farming efficiency in Northeast India.
- Integrated machine learning models for weather forecasting and AI-driven crop price prediction.
- Designed an intuitive stock management system to minimize wastage and enhance profitability.

### • Excel Extension for Linear Regression

January 2025

*Consulting & Analytics Club*

[Link](#)

- Built a VBA-powered Excel Add-In for automated regression analysis, computing slope, intercept, and  $R^2$  score.
- Designed customizable input and error-handling mechanisms ensuring robust performance.
- Integrated graphical visualization, generating scatter plots with best-fit regression lines for insights.

### • Student Management System

December 2024

*Personal Project*

[Link](#)

- Created a secure CRUD-enabled student management system integrating Python (Tkinter) and MySQL
- Designed an intuitive GUI that improved system usability and streamlined user operations.

## POSITIONS OF RESPONSIBILITY

### • Associate, Consulting & Analytics Club, IIT Guwahati

- Cleared both rounds of Krack the Hack, 2 days long AI-ML Hackathon.
- Organised Convolve 3.0, a PAN-IIT hackathon.
- Working on Techevince (annual club project showcase) project with the club.

### • Core Team, Techniche, IIT Guwahati

- Coordinated Guwahati Half Marathon 2024 and Techniche 2025 events.
- Spearheading events planning for upcoming editions in 2026.

## ACHIEVEMENTS

- MnAnalyse:** Global Rank in Top **10** among **2000+** teams, organised by *Finance & Economics Club, IIT Guwahati.* 2024
- ImpactHacks:** Rank 2 among **500+** teams, organised under *Prayatna*, socio-welfare fest of *IIT Guwahati.* 2025
- JEE Advanced 2023:** Secured AIR **4218** among **0.20 million** candidates appearing for the test.
- JEE Mains 2023:** Ranked among top **0.55%** of over a million candidates appearing for the exam.

## TECHNICAL SKILLS

- Programming:** Python, C/C++ \*
- Development Tools:** Flask\*, Tkinter\*
- Data Processing Tools:** NumPy, Pandas, Matplotlib, Seaborn, SQL\*
- Tools and Frameworks:** Pytorch\*, Tensorflow, Keras, Scikit-learn, Git\*, Selenium\*, Beautiful Soup\*.

## KEY COURSES TAKEN

*\*Elementary Proficiency*

- Mathematics and Computer Science:** Differential Equations, Single and Multi-variable Calculus, Complex equations, Introduction to Computing.
- MOOCs:** Deep Learning Specialization by *deeplearning.ai*, *Complete ML,DL,NLP Bootcamp* by *Krish Naik*, Summer Analytics, Winter Consulting.

## EXTRACURRICULARS

- Hockey:** Secured **Silver Medal** for my hostel in *Spardha* Inter-Hostel Sports Competition. 2024
- Robotics:** Secured **Bronze Medal** for my hostel in *Kriti* Inter-Hostel Technical Competition. 2024
- Group Dance:** Participated for my hostel in *Manthan* Inter-Hostel Cultural Competition. 2024