



Gaurav Vyas

BSc (Hons.) in Data Science and Artificial Intelligence
Indian Institute of Technology, Guwahati

Roll No.: 23035010370
g.vyas@op.iitg.ac.in
LinkedIn | GitHub
+91 7987688320

EDUCATION

Degree/Certificate	Institute/Board	CGPA/%	Year
PG Diploma in Applied Statistics	Indian Statistical Institute, Kolkata	-	2026–2027
BSc (Hons.) in DSAI	IIT Guwahati	7.5 (Current)	2023–2027
BSc in PCM	Vikram University	58.36%	2017–2020
Senior Secondary	JNV Dewas	78.60%	2013–2015

INTERNSHIPS

- **NextGen Digital Agriculture Fellow (NGDAF)** Nov 2025 – Feb 2026
School of Agro and Rural Technology, IIT Guwahati | Remote
 - Developed a **Python-based framework** for automatic plant biophysical variable extraction from hemispherical canopy images using image processing.
 - Implemented **image processing** pipelines for canopy analysis: segmentation, feature extraction, and biophysical parameter estimation.
 - Built a fully functional Android app replicating the Python pipeline.
 - **Tools/Tech:** Python, PIL, NumPy, Pandas, Matplotlib, Android Studio, Kotlin
 - **Lab Page:** Agro-geoinformatics Lab - IIT Guwahati
- **Ocr2TeX Internship** Feb 2026 – Present
Department of Mathematics, IIT Guwahati | Remote
 - Building an **OCR model** to convert handwritten mathematical expressions to $\text{\LaTeX}$ source code using deep learning.
 - Developing an automated **grading system** that evaluates $\text{\LaTeX}$ submissions and assigns marks based on historical answer data.
 - Implementing dynamic mark update logic that adjusts grades based on evolving user submissions and corrections.
 - **Tools/Tech:** Python, PyTorch, Transformers, $\text{\LaTeX}$,

EXPERIENCE

- **Advanced Mathematics Expert** May 2021 – May 2026
Chegg Inc. (Part-time)
 - Solved 1,195+ advanced mathematics problems with high accuracy; detailed step-by-step explanations covering calculus, linear algebra, and differential equations.
 - Maintained a high satisfaction rating by delivering clear, well-structured solutions for university-level coursework.

TECHNICAL SKILLS

- **Languages:** Python, R, C, Java, SQL, MATLAB, $\text{\LaTeX}$
- **ML/DL Frameworks:** TensorFlow, PyTorch, Scikit-learn, Keras, OpenCV, YOLO, NumPy, Pandas, Matplotlib
- **Dev Tools:** Jupyter Notebook, Google Colab, VS Code, Git, Linux, WolframAlpha
- **Data & Analytics:** Data Visualization, Preprocessing, Image Processing, Tableau, Excel, REST APIs

RELEVANT COURSEWORK

- **Mathematics & Statistics:** Linear Algebra, Calculus, Optimization, Probability, Statistics
- **Data Science & AI:** Machine Learning, Deep Learning, Computer Vision, Time Series Forecasting, Recommender Systems, Data Mining, Data Visualization, Cloud Computing, RDBMS, DSA

HONORS & AWARDS

- **ISI, PGDAS Tuition Waiver** 2026
 - Secured admission to the **Post Graduate Diploma in Applied Statistics (PGDAS)** through the **ISI Admission Test and Interview**, and received a **100% tuition fee waiver**
- **University of Nicosia – MOOC Scholarship** May 2022
 - Earned a **25% scholarship** (EUR 3,240) for UNIC's MSc in Blockchain & Digital Currency by ranking among the **top 30 out of 11,000+** MOOC participants.
- **Macquarie Group Scholarship (edX)** Dec 2020
 - Twice selected from **35,000+** applicants; completed HarvardX–ER22.1x (Justice) and MITx–6.431x (Probability) on edX.

POSITIONS OF RESPONSIBILITY

- **Coordinator, Welfare Club ODP, IIT Guwahati** Jan 2026 – Present
 - Collected student feedback, promoted well-being awareness, and facilitated communication between students and administration on academic and personal concerns.