

MUSLIM UDDIN

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Podmer Alga, Dhubri, Assam - 783339



CAREER OBJECTIVE

Focused on applying machine learning to develop impactful, data-driven solutions. Skilled in Python, Computer Vision, and Data Analysis, with a strong interest in contributing to innovative, real-world projects.

EDUCATION

- **AI/ML Innovative Analyst** from *Indian Institute of Technology, Guwahati* 2025
 - Coursework: Machine Learning, Deep Learning, Computational Theory, Estimation Theory, Statistical Analysis.
 - Technologies: Mathematics, SQL, Excel, Python.
- **Bachelor of Science (B.Sc) Honors in Physics** from *Bholanath College, Dhubri* 2023
- **Higher Secondary (HS)** from *Ajmal College of Arts and Science, Dhubri* 2020
- **High School Leaving Certificate (HSLC)** from *Joruar Char Public High School, Joruarchar* 2018

EXPERIENCE

Project Technician in *Indian Institute of Technology (IIT) Guwahati* Present

- Working on the project “**Design and Development of a Digital Holographic Microscopic Imaging System for Detection and Recognition of Underwater Microorganisms and Particles**” under the Centre for Intelligent Cyber-Physical Systems.
- Assisting in AI-based imaging research, data processing, and technical project activities.

ML Research Intern in *Indian Institute of Technology, Guwahati* 2026

- Working under the guidance of Professor Guha to collect and process video datasets, focusing on pre-processing for a daily activity anomaly detection system.

TECHNICAL SKILLS

- **Languages & Libraries:** Python (NumPy, Pandas, Scikit-Learn, PyTorch)
- **Core Concepts:** ML /DL, CV
- **Databases & Tools:** SQL, MS Office 365, Google Colab, Git & GitHub, Google Workspace
- **Operating System:** Linux, Windows, Android etc.

PROJECTS

PPE Safety Detection | *Python, OpenCV, PyTorch, Scikit-Learn, YOLO* 2026

- Developing an end-to-end computer vision model using yolov8 trained in custom dataset to classify if the worker is safe or unsafe in the construction site based on his helmet and vest.

Crowd Counting & Density Estimation | *PyTorch, MobileNetV2, UNet, Colab* 2025

- Developed a crowd counting model to analyze mall datasets using a pretrained MobileNetV2 encoder and UNet decoder.

LANGUAGES

English Assamese

Hindi Bengali