

KHANAK GUPTA

ML Engineer || Student at USICT (Btech CSE'26)

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ABOUT ME

I am a determined and Hardworking person, driven by a passion for taking on challenges that push the boundaries of my current knowledge. I approach my work with a smart and diligent mindset, consistently putting in the necessary effort to achieve success.

EDUCATION

USICT, GGSIPU

Btech Computer Science & Engineering
2nd year
CGPA 8.33

Ambedkar DSEU Shakarpur Campus-1

Diploma in Computer Engineering
BTE Board, Score_85.46%
2020 - 2023

Rawal International School

Matriculation(Class X)
CBSE Board, Score_93.80%
2019 - 2020

SKILLS

- **Programming & Tools:** Python, MySQL, MongoDB, TensorFlow, PyTorch, OpenCV, Scikit-learn, PIL, LabelImg.
- **Machine Learning:** Supervised/unsupervised learning, CNNs, RNNs, YOLO, Mask R-CNN,
- **Computer Vision:** Image preprocessing, object detection, segmentation, real-time video processing, satellite imagery analysis.
- **Deep Learning:** GANs, transformer models, 3D reconstruction, and multimodal integration.
- **Optimization & Deployment:** Model optimization, AWS, scalable deployment.

PROFESSIONAL EXPERIENCE

Fresher

PROJECTS

Face recognition system

[FaceRecognitionSystem](#)

- Used Python programming language.
- Libraries used OpenCV, Numpy, os, mysql-connector etc.
- Requirements: Anaconda, Mysql, Camera.
- Haar-cascade for face detection.
- LBPH algorithm for face recognition. User-friendly graphical user interface (GUI).

Student Performance Prediction App

[StuPerApp](#)

- Predicted student test scores using demographic and educational factors.
- Tools & Technologies: Python, Flask, Scikit-learn, Pandas, NumPy, Matplotlib, HTML, CSS.
- Flask-based interface for real-time score predictions.
- Automated data preprocessing and ML model integration.
- Visualization dashboard for key performance factors.
- Modular, scalable pipeline design for training and predictions.

TextSummerizer

[TextSummarizer](#)

- Developed a text summarization tool using LaMIDA T5 246M for accurate and concise summaries.
- Built a user-friendly web interface with Flask.
- Demonstrated expertise in NLP, ML model integration, and web development