Kush Prakhar

Phone: 91 9301213354

Email: mittalk901@gmail.com

LinkedIn: www.linkedin.com/in/kush-prakhar

Location: Noida,Uttar Pradesh

OBJECTIVE

Driven computer science student with expertise in AI, machine learning, and software development. Passionate about building impactful solutions and advancing technology through innovative projects.

SKILLS

Technical Competencies:
Languages - C, C++, Python
Database - SQL, MySQL,Operating System
Frameworks/Libraries: PyTorch, TensorFlow/Keras, OpenCV, NLTK, Scikit-Learn, LangChain
Tools: Flask, FastAPI, Git/GitHub, MySQL
Platforms: HuggingFace, Kaggle

Behavioral Skills:
Leadership, Team player, Adaptability, Problem-solving

EDUCATION

Bachelor of Technology in Computer Science   **November 2021 - June 2025**
Guru Gobind Singh Indraprastha University
CGPA: 8.4/10

Higher Secondary Education (Class XII)   **May 2019 - March 2020**
Miss Hill Higher Secondary School
Percentage: 74%

WORK EXPERIENCE

Feynn Labs
Remote | June 2024 – August 2024
- Collaborated on data analysis projects to improve business decision-making processes.
- Conducted test script creation, technical documentation, and process optimization for internal tools.
- Build and Operate Machine Learning Models Increase Efficiency 85%

PROJECTS

- **ColorGANify | *PyTorch, OpenCV, GAN, Flask*:**
  Developed an AI-powered tool to colorize black-and-white images with up to 85% accuracy.
  Implemented Pix2Pix for colorization and ESRGAN to enhance image resolution by 4x.
  Processed 35+ images with a 25% quality improvement and achieved real-time performance under 2 seconds.

- **Tune Weaver.AI | TensorFlow/Keras, Music21, NumPy, MIDI:**
  Built a melody generation system using LSTM, processing 300+ symbolic music files.
  Designed a preprocessing pipeline supporting 8 note durations and transposition to a common key.
  Trained a 256-unit LSTM model, improving training efficiency by 20%.

- **Research Project: Pruning of Transformers (ViT) on CIFAR-100 | *PyTorch***
  Achieved 82% accuracy in CIFAR-100 classification by fine-tuning a pruned Vision Transformer (ViT).
  Reduced model parameters by 15% using L1 regularization and network pruning techniques.

CERTIFICATIONS

- **Deep Learning Specialization** – *Coursera (Andrew Ng)*
- **Python for Data Science and Machine Learning** – *Udemy*
- **AI for Everyone** – *Coursera*
- **SQL for Data Analysis** – *DataCamp*
- **Machine Learning with Python** – *edX*