Mridul Kaushik

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EDUCATION

NIET, Greater Noida, U.P. 2022-26

Bachelor of Technology in Computer Science, Specialization AIML

C.G.P.A. 8.5

Relevant Courses: Cloud Computing, Deep Learning, AI Vision, NLP, Big Data, Software Development, Data Structures & Algorithms.

TECHNICAL SKILLS

- **Programming Languages:** Python (Advanced), Java (Intermediate), JavaScript, C++
- **Web & Backend:** Django, REST API, PostgreSQL, MySQL
- **Machine Learning & AI:** TensorFlow, Scikit-learn, PyTorch, OpenCV, ML Kit
- **Other Tools:** PowerBI, Visual Studio, Postman, Docker (Basics)

EXPERIENCE

AI & Web Development Intern | Creative Studio 24 *(Dec 2024 – Feb 2025)*

- Designed **AI-powered features** using Streamlit, integrating **Gemini & Mistral AI models** for intelligent automation.
- Developed a **static prototype website using Tailwind CSS**, later integrated with a MERN backend.
- Assisted in integrating **ML-based recommendations** into a live production system.

AIML Virtual Intern | EduSkills Foundation (AICTE & Google for Developers) *(July – Sept 2024)*

- Worked on **Google's AI/ML open-source tools** like ML Kit & TensorFlow.
- Built and optimized **deep learning models for real-world applications**.
- Gained practical experience in AI-based problem-solving and cloud-based model deployment.

PROJECTS

AI Signals August 2024
- Developed an AI-powered traffic management system that dynamically adjusts signals based on vehicle congestion.
- Utilized **OpenCV & TensorFlow** for real-time vehicle classification and **Django** for backend processing.
- Improved traffic flow efficiency by **30%** in simulated environments.

Image Classification October 2024
- Developed an ML model to classify images of different sportspersons.
- Achieved **92% accuracy** using **Convolutional Neural Networks (CNNs)** in TensorFlow.
- Preprocessed images using OpenCV and automated model deployment with Streamlit.

Tweet November 2024
- Built a **full-stack web application** enabling user authentication, tweeting, and following users.
- Implemented **Django REST API**, PostgreSQL, and **Cloudinary** for media storage.
- Hosted on **Vercel** with frontend optimizations for improved performance.

ACTIVITIES

- **HackBVP 2.0 (March 2024):** Led a team to build an EdTech platform, securing 2nd place.
- **Pravartan Code Bounty (Nov 2023):** Ranked 2nd in debugging & competitive coding challenge.
- **LeetCode (200+ problems solved):** Strong proficiency in Data Structures & Algorithms (DSA).