AMRITA SINGH

Machine Learning Engineer

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CodeForces | LeetCode | GitHub | Linkedin | HackerRank

EDUCATION

GLA University   mathura
Computer Science (AIML) Bachelors   August 2024 - July 2028
CGPA: 8.26

EXPERIENCE

skillcred | GenAI intern   Mathura , U.P. | June 2025 - August 2025
- Gained hands-on experience with LLMs, embeddings, prompt engineering, and RAG concepts.
- Built simple GenAI workflows using Python, API integration, and data handling.

SKILLS

Programming Languages:	C, MACHINE LEARNING, CSS, JAVA, Python, HTML
Libraries/Frameworks:	javascript, sklearn, Pandas, Numpy, Matplotlib, Seaborn, Flask
Tools / Platforms:	VS code, colab, kaggle, Git, GitHub, Azure, PowerBI
Databases:	MySQL

PROJECTS / OPEN-SOURCE

GuideGeek | Link   *javascript, APIs , html , css, flask*
Flask-based travel planner using Google Gemini AI, featuring personalized itineraries, smart routing, and interactive maps. Added SVG route maps, Haversine logic, and robust JSON AI parsing

hand written digit recognizer | Link   *Python, TensorFlow/Keras (or PyTorch), NumPy, Flask*
Implemented a CNN (Conv Pool Conv Pool Dense) trained on MNIST for digit classification.
Achieved high accuracy with data normalization, dropout, and early stopping.
Exposed model via a Flask endpoint that accepts base64 images and returns predicted digit and confidence.

PneumoVision | Link   *Streamlit,YOLO (Ultralytics),PIL, NumPy,HTML/CSS*
Created a YOLO-based pneumonia detection system with localization, Gemini insights, and Streamlit deployment featuring real-time visualization and a chatbot.
Implemented secure, efficient processing for fast inference and safe handling of medical images

CERTIFICATIONS

- AZ-900: Microsoft Azure Fundamentals - **Microsoft**
- Machine Learning - **Stanford online**
- Problem Solving (Intermediate) Certificate - **HackerRank**
- The Ultimate Job Ready Data Science Course - **Code with Harry**
- Problem Solving (Basic) Certificate - **HackerRank**
- Azure AI Fundamentals - **Microsoft**

HONORS & AWARDS

- 2nd Place Ventureathon 2025, GLA University Recognized with 2nd place & Best Innovation with 10,000 at Ventureathon 2025 for presenting an AI-driven underwater robotics solution.
- Top 10 Finalist Hack & Viz Hackathon, GLA University Built an AI Tutor app using ML/GenAI workflows for interactive learning assistance.