Komalpreet Kaur

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LinkedIn | GitHub

Professional Summary

Final-year B.Tech CSE student with hands-on experience in full-stack development, computer vision, and machine learning. Built deployable AI models and end-to-end applications during industry training. Skilled in UI/UX, model deployment, and API integration. Passionate about creating data-driven solutions. Seeking roles as a **Machine Learning Engineer** or **Data Scientist**.

Technical Skills

Languages: Python, JavaScript, C/C++, Dart
Frameworks/Libraries: TensorFlow, OpenCV, Streamlit, React.js, Flask, Scikit-learn, Pandas, NumPy
Tools/Platforms: Git, Jupyter, Google Colab, XAMPP, Glitch
Expertise: Model Deployment, CNNs, REST APIs, Data Preprocessing, Full-Stack Apps, UI/UX, Agile Workflow

Education

B.Tech in Computer Science & Engineering
Eternal University | 2021 – 2025
GPA: 7.61 / 10
Capstone Project: *Handwritten Digit Recognition System using Streamlit & TensorFlow*

Projects

Multi-Digit Recognition System
TensorFlow, OpenCV, Streamlit
- Real-time digit recognition using canvas, image upload, and webcam. Achieved **94% accuracy**.
- GitHub

Full Stack Admin Dashboard
PHP, MySQL, JavaScript
- Built secure login system, user roles, and dynamic charts with real-time database interaction.
- GitHub

Training & Certifications

AI & ML Industrial Training – *NIELIT Ropar*
Jan 2025 – June 2025

- Designed and deployed real-time ML pipelines for multi-digit and license plate recognition using OpenCV and TensorFlow.
- Developed UI with Streamlit and implemented camera/file-based inference modules.

Certifications

- Python Essentials 1 – Cisco (Jan 2025)
- Google Data Analytics – Google/Coursera (Jan 2023)

Personal Portfolio Website
React.js, CSS
- Designed a responsive and animated portfolio with project showcases and GitHub integration.
- GitHub

Eterna – Intent Recognition Chatbot
Flask, React.js, Python
- Developed a KNN-based chatbot with **92% intent classification accuracy** on 100+ test cases.
- GitHub

Languages

English (Intermediate) • Hindi (Native) • Punjabi (Native)