NEELAKSHI CHOUDHARY

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[Email](#) ⋄ [LinkedIn](#) ⋄ [GitHub](#) ⋄ [LeetCode](#) ⋄ [GfG](#)

SKILLS

Languages & Tools	Python, C++, Java, HTML, CSS, JavaScript, React.js, Git, MySQL, MATLAB, LaTeX
AI/ML Technologies	PyTorch, TensorFlow, Keras, scikit-learn, Pandas, NumPy, OpenCV, Matplotlib, Seaborn
Generative AI	LangChain, OpenAI API, FAISS, Retrieval-Augmented Generation (RAG), LLMs

EDUCATION

VIT Bhopal University — Bhopal, India
Bachelor of Technology - Computer Science with Specialization in AI ML — 2022-2026
CGPA : 8.58/10 (till 5th semester)

SCHOLARSHIP AND MENTORSHIP

Talentsprint WE program supported by Google — Remote
One of among 220 students to be selected out of 22,000 applicants in India. Received a — 2023-2025
100% scholarship with additional cash scholarship. Mentored to excel at technical and corporate skills.

AWS AI & ML Scholar — Remote
Among the 1,000 applicants to be selected for the AWS AI & ML Scholarship in collaboration — July-Oct 2023
with Udacity. Received 100% scholarship for the AI Programming with Python Nanodegree by Udacity.

PROJECTS

Handwritten Digit Recognition — Python, PyTorch, Matplotlib

- Fine-tuned a ResNet-18 model using transfer learning on a custom PenDigit dataset.
- Improved performance via data augmentation and hyperparameter tuning; achieved 83.3% accuracy.

Sentiment Analysis of Movie Reviews — Python, TensorFlow, Keras

- Developed an LSTM-based model to classify IMDb movie reviews; achieved 85% test accuracy.

Text Auto-completion — Python, TensorFlow

- Built a language model using stacked LSTMs to predict next words based on a given text sequence.

Context-Aware Chatbot using LangChain — Python, FAISS, OpenAI

- Built a document-based chatbot that answers questions using Retrieval-Augmented Generation (RAG).
- Used LangChain to split and embed documents, and FAISS for fast similarity search.
- Integrated OpenAI API to generate responses with relevant context fetched from a document.

ACHIEVEMENTS AND RESEARCH

- Finalist in Internal Hackathon Round for **Smart India Hackathon 2023**, VIT Bhopal.
- Co-authored a research paper comparing MobileNetV2, EfficientNet-B0, and ResNet-18 for handwritten digit recognition (under review).
- Served as **Women Techmakers Lead** for Google Developer Student Clubs (2023–24).

KEY COURSES TAKEN

- **University Courses:** Deep Learning, Applied ML, ANN, NLP, Computer Vision, Expert Systems & Fuzzy Logic, Representation Learning, Reinforcement Learning
- **MOOCs:** Crash Course on Python (Google), Applied ML in Python (University of Michigan)