

Harpreet Singh

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SKILLS

◦ Languages:	Java, Python, Kotlin, XML, SQL
◦ Libraries:	TensorFlow, Scikit-learn, Keras, OpenCV, LangChain
◦ Tools/Platforms:	Git, GitHub, Android Studio, SQLite, Hugging Face, ML Kit
◦ CS Fundamentals:	DSA, OOP, OS, CN, DBMS, Multithreading, System Design
◦ AI Focus:	LLMs, NLP, Multimodal AI, Agentic Workflows, Prompt Engineering
◦ Soft Skills:	Problem-Solving Skills, Team Player, Project Management, Adaptability

EXPERIENCE

Outlier <i>AI Intern</i>	Oct 2024 – Nov 2024
<ul style="list-style-type: none">- Reviewed 100+ AI-generated codes, boosting model accuracy by 30% via feedback loops.- Optimized algorithm performance, reducing error rates by 25% in AI-generated code assessments.	

PROJECTS

• Email & Document Summarizer with Task Memory <i>Python, NLP, LLM</i>	June 2025 – July 2025
<ul style="list-style-type: none">◦ Developed an AI tool to extract action items and deadlines from Gmail and PDFs using LLM-based summarization and task extraction.◦ Integrated long-term memory using vector databases to maintain context across documents and conversations.◦ Enabled real-time task board updates from new emails/docs with semantic search and Streamlit interface.◦ Github: Link	
• Multilingual Language Identifier using DL <i>Python, Machine Learning, NLP</i>	Dec 2024 – Jan 2025
<ul style="list-style-type: none">◦ Built a multilingual language identification system using Naïve Bayes, CNN, and LSTM on a 17-language dataset spanning Indian and foreign languages.◦ Achieved 96.52% accuracy with LSTM by leveraging embeddings, sequence modelling, and regularization techniques in TensorFlow.◦ Presented the work at a research conference; paper accepted for publication in a Scopus-indexed journal.◦ Github: Link	
• Voice-AI Enabled Budget Tracker App <i>Kotlin, Xml, MLKit</i>	Nov 2025 – Dec 2025
<ul style="list-style-type: none">◦ Built a personal finance tracking Android app using SQLite, enabling users to log and categorize daily expenses.◦ Enhanced usability with features like voice input, search, undoable delete, and dynamic PDF invoice generation.◦ Improved user insights by 70% by adding monthly spending analytics and category-wise trend charts.◦ Github: Link	
• Google Nibbler Project	Nov 2025 – Jan 2025
<ul style="list-style-type: none">◦ Analyzed 500+ AI-generated images to detect harmful outputs and improve ethical deployment of models.◦ Boosted adversarial defense accuracy by 15% through testing and refining Google’s image generation models.◦ Evaluated model output for bias, safety, and quality from implicit prompt inputs.	

PUBLICATION

Identification of Indian Languages Using Naive Bayes, CNN, LSTM, and HMM – Grenze International Journal of Engineering and Technology, Vol. 11, Issue 1, 2025. | [Link](#) (To be published in Scopus Index)

CERTIFICATES

Complete Interview Preparation - Self-Paced (Java) by GFG.	June 2024 - Sept2024
Machine Learning Specialization – Andrew Ng by Coursera	May 2024 - July 2024
Generative AI Primer – Coursera	Feb 2024 – March 2024
Generative AI with Large Language Models – Coursera	Feb 2024 – March 2024

ACHIEVEMENTS

Coding Profile:	
<ul style="list-style-type: none">- Ranked 1451 among 30k+ participants in Leetcode Biweekly Contest 152- 450+ problems solved @ (LeetCode GFG HackerRank Codechef)	

EDUCATION

Lovely Professional University <i>Bachelor of Technology - Computer Science and Engineering; CGPA: 7.86</i>	Punjab, India 2022 - 2026
Kendriya Vidyalaya <i>12th with science; Percentage: 81%</i> <i>Matriculation; Percentage: 82%</i>	Pinjore, Haryana 2020 - 2022 2010 - 2020