

# Jitendra Kumar

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## SKILLS

• <b>Languages:</b>	C++, JavaScript, C, Python
• <b>Machine Learning:</b>	Transformer, LSTM, CNN, GRU, Time-Series Analysis
• <b>Tools and Frameworks:</b>	PyTorch, TensorFlow, MySQL, MongoDB, AWS, Docker
• <b>Core Concept:</b>	Data Structures & Algorithms, Mathematics, Probability & Statistics, OOPS
• <b>Soft Skills:</b>	Problem-Solving, Team Collaboration, Project Management, Adaptability

## SUMMER TRAINING

• <b>Turing</b>	July, 2024
AI Trainer – Large Language Models (LLM)	
• <b>About:</b> Train AI models by providing images as context and generating prompts to enhance text understanding.	
• Improved model accuracy by <b>25%</b> through iterative prompt refinement, optimizing LLM responses for visual inputs.	
• Developed image-to-text workflows, ensuring better alignment between AI-generated outputs and real-world context.	
• Enhanced LLM contextual learning, reducing inaccuracies in image-based reasoning tasks.	

## PROJECTS

• <b>Gender and Age Detection using OpenCV</b>	Dec, 2024
Designed and implemented a deep learning-based system for gender and age detection using Convolutional Neural Networks (CNNs).	
Utilized OpenCV for image processing, TensorFlow/Keras for model training, and Flask for deployment.	
Achieved <b>96%</b> accuracy after hyperparameter tuning and evaluated performance using precision and recall metrics.	
<b>Tech:</b> Python, TensorFlow, Keras, OpenCV, Flask, NumPy, Pandas	
• <b>Defect Detection in Mobile Phone Production with Computer Vision:</b>	May, 2024
Developed CNN-based system to detect surface defects in mobile phones, improving quality control.	
Used OpenCV for preprocessing, PyTorch for model training, and FastAPI for deployment.	
Integrated real-time defect classification using ONNX for efficient inspection	
Deployed on cloud and edge devices with Docker and AWS for scalability.	
<b>Tech:</b> Python, PyTorch, OpenCV, FastAPI, NumPy, Pandas, Docker, AWS	

## CERTIFICATES

• Machine Learning Specialization by DeepLearning.ai	January, 2025
• Complete Interview Preparation - (Java & DSA) by GFG	October. 2024
• Mastering Data Structures & Algorithms by Udemy	June, 2024
• The Complete Python Pro Bootcamp for 2024 by Dr. Angela Yu (Udemy)	March, 2024
• Introduction to Large Language Mode by Google cloud	December, 2023

## ACHIEVEMENTS

• <b>Secured Global Rank 1354th:</b>	
Among 40k+ participants in GeeksforGeeks institutional Contest	
• <b>Attained a prominent global Science Conference (GSC2023):</b>	
Among 3k+ participants in Starters WLPGA.	
• <b>Participated in Smart India Hackathon:</b>	
Participated in Smart India Hackathon, contributing to an AI-based solution.	
• <b>Secured 3rd rank in the Hackathon: CODE OFF DUTY 2024:</b>	
Developed an AI-powered defect detection system using Computer Vision, organized by the CSE Department	

## EDUCATION

• <b>Lovely Professional University</b>	Punjab
Bachelor of Technology - Computer Science and Engineering; <b>CGPA: 6.7</b>	
Since August 2022	
• <b>Arya Vidyapith School</b>	Champan
Intermediate; <b>Percentage: 70%</b>	
April 2019 - March 2021	
• <b>Heritage Valley - The Indian School</b>	Hyderabad
Matriculation; <b>Percentage: 84%</b>	
April 2018 - March 2019	