

## Skills

Languages:	Java, C, C++, Python, HTML
Frameworks:	Pandas, OpenCV, Tesseract OCR, Tkinter, TensorFlow, REST API, ComfyUI, AWS
Tools/Platforms:	VS Code, IntelliJ IDEA, Git, GitHub, Canva, Linux/Unix
Soft Skills:	Time Management, Fast Learner, Leadership, Team Collaboration

## Training

Summer Training in Competitive Programming	June 2024 – July 2024
<ul style="list-style-type: none"><li>Mentored in <b>algorithm design</b> and optimization strategies for coding contests</li><li>Applied core <b>Data Structures and Algorithms</b> to solve problems</li><li>Developed a web-based <b>N-Queen Solver</b> with backtracking visualization</li></ul>	
<b>Tech:</b> C++, Java	

## Projects

YouTube-Powered Blog Generator using CrewAI Agents	July 2025
<ul style="list-style-type: none"><li>Developed a multi-agent AI system with CrewAI to generate blogs from YouTube content</li><li>Designed prompt-based agents (Researcher &amp; Writer) using Gemini 1.5 Flash for summarization and writing</li><li>Integrated YouTube search and semantic parsing with Google Embeddings to extract insights</li><li>Generated output in structured Markdown format for AI/ML blog publishing</li></ul>	
<b>Tech Stack:</b> Python, CrewAI, Gemini LLM, LangChain, Google Embeddings, YouTube API	
SmartEditor	April 2025
<ul style="list-style-type: none"><li>Built a GUI tool to extract OCR text from scanned documents using <b>Tesseract OCR</b> and OpenCV</li><li>Enabled inline correction with synced image-text view and ground truth benchmarking</li><li>Exported final outputs with word/character-level accuracy reports</li></ul>	
<b>Tech Stack:</b> Python, Tesseract OCR, Tkinter, OpenCV, Pandas	
ComfyUI: AI Image Generation Interface	March 2025
<ul style="list-style-type: none"><li>Built a prompt-based image generation tool in <b>ComfyUI</b> with real-time editing and modular workflows</li><li>Integrated <b>text-to-image</b>, <b>image-to-image</b>, and upscaling for flexible input handling</li><li>Supported customizable prompts and high-resolution outputs via workflow-based UI</li></ul>	
<b>Tech Stack:</b> ComfyUI, Stable Diffusion, Python	
Food Image Classification	January 2025
<ul style="list-style-type: none"><li>Built a deep learning model on the <b>Food101</b> dataset with 101 food categories using EfficientNetB0 architecture</li><li>Applied transfer learning and fine-tuning with mixed precision to speed up training and reduce memory usage</li><li>Reached <b>80%+</b> accuracy via validation loss and TensorBoard monitoring</li></ul>	
<b>Tech Stack:</b> Python, TensorFlow, TensorBoard, Matplotlib, TensorFlow Hub	

## Certificates

Cloud Computing – NPTEL, IIT Kharagpur	July – October 2024
Introduction to Generative AI – Google Cloud (Coursera)	January 2024

## Achievements

LeetCode Problem Solving	May 2025
<ul style="list-style-type: none"><li>Solved 200+ problems in arrays, trees, graphs, stack, queues and dynamic programming</li></ul>	
Cleared Intra-College Smart India Hackathon	September 2024
<ul style="list-style-type: none"><li>Ranked in the top 50 out of 400 teams</li></ul>	

## Education

Lovely Professional University	Punjab, India
B.Tech, Computer Science (ML Specialization) CGPA: 8.17	Sep 2022 – Present
Sun Valley International School	Ghaziabad, UP
Class XII (CBSE), PCM Stream; 90%	Apr 2020 – Mar 2022
Sun Valley International School	Ghaziabad, UP
Class X (CBSE); 91%	Apr 2019 – Mar 2020