

Deepankar Sharma

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[Portfolio](#) | [LinkedIn](#) | [Coursera](#) | Phone: +91 9639102301

SUMMARY

Machine Learning Developer with extensive experience in **Generative AI, Computer Vision, Graph Databases, and NLP**. Proven track record in leading projects that integrate AI and data analytics to drive innovation and efficiency. Skilled in developing **proof-of-concepts** & automated solutions for content creation and data analysis, leveraging cutting-edge technologies and frameworks.

PROFESSIONAL EXPERIENCE

i2V Systems, Gurugram

Computer Vision Engineer

November 2024 - Present

- Language Search:** Building and training a proof-of-concept for AI system pipeline enabling users to interact with surveillance feed events in Natural Language Query. This will enable user to smartly search for events and alerts in the VMS saving lot of time and efforts.

Warewe Consultancy Pvt. Ltd., Gurugram

Senior Software Developer: Machine Learning

September 2024 – October 2024

- Shotify.ai Project:** Lead the development of an AI-driven platform to generate and post short videos automatically on YouTube, Instagram, and TikTok. Utilized RESTful API backends to build Shotify.ai, integrating advanced AI models for video generation and automated posting features. Successfully created proof of concept for Shotify.ai, significantly reducing the time and effort required for content creation and management, projections leading to a 40% increase in user engagement across platforms.

Warewe Consultancy Pvt. Ltd., Gurugram

Associate Software Developer: Machine Learning

August 2023 - August 2024

- Generative Model Fine-Tuning:** Customized LLaMA-2,3 using PEFT-LoRA for SEO data, enhancing the company's AI capabilities.
- AI-Driven Digital Content Creation:** Utilized Dreambooth and LoRA to generate AI photoshoots, improving the quality and efficiency of digital content creation.
- Automated Blog Writing:** Developed [Paperbot.AI](#), a SaaS product for automated blog writing using Whisper, Langchain Agents, Crew AI, and LLMs, built in Django Rest Framework and Next.JS.
- Semantic Segmentation:** Created applications using SAM and stable diffusion for image reconstruction ([Project Link](#)).
- AI Analysis Backend:** Built backend for [Serpwe](#) using GTE and BGE embeddings for knowledge graphs and intent classification. Developed RAG applications hosted on AWS EC2, integrating Langchain and OpenAI functions with Neo4j for knowledge graph creation.
- AI Image Classifier:** Fine-tuned a classifier with 96% accuracy for identifying AI-generated images from Midjourney V6 ([Project Link](#)).

ACADEMIC DETAILS

Master of Computer Applications (M.C.A.),
Graphic Era University(ODL) *Expected June 2025*

Bachelor of Computer Applications (B.C.A.),
Graphic Era University, Haldwani *August 2020 - June 2023*
Winner of [Navikarnam 2023](#): National Level Innovation and Entrepreneurial Fest organized at NIT, UK.
Annual Topper's Award & Achiever's Award (2021/22/23).
Published various patents; Featured in [Campus Gems](#).

Coursera

Google Data Analytics Professional Certificate, *Google*
Machine Learning Specialization, *DeepLearning.AI*
Deep Learning Specialization, *DeepLearning.AI*
Machine Learning on Google Cloud Specialization,
Google Cloud

SKILLS

Generative AI: Langchain, Vertex AI, RAG, CrewAI
Frameworks: TensorFlow-Keras, PyTorch, OpenCV, CUMML, RAPIDS
Data Analysis: Pandas, NumPy, Matplotlib, RAPIDS, AWS QuickSight
Deep Learning: ANN, CNN, LSTM, LLMs, Diffusion Models, Control Nets
Backend Development: Django, Flask, FastAPI, Odoo, Node.js
Database & APIs: SQL, JSON, REST API, Neo4j, SQLite
Tools: Jupyter Notebook, Git, Docker, DVC
Programming Languages: Python, Next.js

PERSONAL PROJECTS

ERP Module for Real Estate: Developed a comprehensive ERP module including invoices, custom drafts, and a floor stacking plan, showcasing skills in **clean code** and **architecture**.

AWS QuickSight Integration: Connected AWS QuickSight with GA4 data to create reports and dashboards, emphasizing **cloud** and **data analysis** expertise.

Automatic Blog Writer: Created an automatic blog writer using Crew AI, Perplexity Llama3 API for research, GPT-4, and Langchain for formatting.

Web Scrapers: Built web scrapers for YouTube and Pinterest using **Python**.

Fashion Product Recommendation System: Developed a recommendation system ([Project Link](#)).

Movie Recommendation System: Created a movie recommendation system ([Project Link](#)).

Chicken Disease Classification: Worked on disease classification using fecal images ([Project Link](#)), demonstrating **deep learning** and **computer vision**.

Text Summarization: Implemented text summarization using pegasus-cnn_dailymail ([Project Link](#)).

Conversational Text Generator: Created a text generator using GRU-RNN ([Project Link](#)).

Smart Surveillance: Developed a smart surveillance system with computer vision ([Project Link](#)), applying **machine learning** techniques.