

Yashpal Singh

hathras | rk7129357@gmail.com | 9634517679 | <https://portfolio-nine-nu-l2n2hdqava.vercel.app/>

PROFESSIONAL SUMMARY

Software Engineer with 2+ years of development experience and a strong focus on Artificial Intelligence and Machine Learning. Worked on building intelligent applications using Python, LLMs, RAG, FastAPI, OpenCV, and modern AI frameworks. Passionate about solving real-world problems through AI and continuously expanding expertise in machine learning systems and deployment.

EXPERIENCE

Unity Developer (3D Simulation)

Phibonacci learning | Ahmedabad

Aug 2022 - Jul 2024

- Developed and maintained real-time 3D simulation applications using Unity and C#.

AI/ML Developer (Projects & Research)

Phibonacci Learning | Ahmedabad

Aug 2024 - Present

- Built and experimented with AI/ML applications using Python, Machine Learning, and modern AI frameworks.
- Developed RAG-based systems using LLM workflows, vector databases, and retrieval pipelines.
- Worked on model training, fine-tuning, and inference workflows using PyTorch and Hugging Face.
- Developed computer vision and automation solutions using OpenCV and YOLO-based models.

EDUCATION

Polytechnic in Computer Science and Engineering

M G Polytechnic

Aug 2019 - Aug 2022

B.Tech in Computer Science and Data Science

Dr. A.P.J. Abdul Kalam Technical University

Aug 2022 - Aug 2025

- Bachelor of Technology in Computer Science and Data Science with focus on Artificial Intelligence, Machine Learning, and real-world application development. Developed academic and self-driven projects to strengthen skills in problem solving, model development, and intelligent systems.

SKILLS

Python | C# | Machine Learning | Deep Learning | Model Training | Fine-Tuning | LLMs | LangChain | RAG | Prompt Engineering | PyTorch | TensorFlow | Hugging Face | OpenCV | FastAPI | YOLO | Vector Databases | Git | GitHub | NumPy | Pandas | Natural Language Processing (NLP)

PROJECTS

CVKing - AI Resume Builder

AI/ML Developer & Full Stack Developer
<https://cvking.in/>

Jan 2026 - Present

- Developed an AI-powered resume builder with intelligent document generation and multiple resume templates.

RAG Pipeline

AI/ML Developer

- Built a Retrieval-Augmented Generation pipeline integrating LLM workflows and vector search for contextual responses.