Yash Gupta

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SUMMARY

AI and Machine Learning enthusiast with a solid Software Engineering foundation, skilled in developing scalable AI/ML solutions, deploying web applications, and leveraging expertise in Data Structures, Algorithms, and MLOps practices.

EDUCATION

Manav Rachna International Institute of Research and Studies — Faridabad, HR
Bachelor of Tech. in Computer Science — *Aug. 2021 – May 2025*

EXPERIENCE

Software Engineer — July 2022 – Present
Shoora Technologies — *Dubai, UAE (remote)*
- Engineered AI/ML based driver monitoring systems, including detection via face recognition, reducing fatal accidents by over 50 percent.
- Designed scalable microservice architecture for fleet management and tested IoT devices for trip tracking, ignition triggers, and telemetric data analysis using simulation techniques
- Utilized Django, React.js, AWS, Jenkins, CI/CD, and Docker to built and deploy web application.

Project Management Intern — July 2022 – Present
Shoora Technologies — *Dubai, UAE (remote)*
- Contribute to successful projects, serving prestigious clients including ATGL (Adani Total Gas Limited) and Amazon in India for their fleet management solutions.
- Help monitor the performance of AI/ML models in real-world scenarios, collect feedback, and propose improvements.
- Support project planning, timelines, and resource allocation for AI/ML projects while understanding scope and requirements.

QA Engineer — April 2022 – Dec. 2022
Josera — *Germany (remote)*
- Created and maintained comprehensive test documentation, including test plans, cases, and scripts, covering various use cases.
- Collaborated closely with the development team to understand software requirements, review designs, and provide early feedback for defect prevention.
- Leveraged Python Selenium automated bot to automate user creation and data entry processes, streamlining testing efficiency.[View Project]

PROJECTS

Facial Expression Recognition | *Python, TensorFlow, Keras, Pandas, NumPy CNN, Jupyter Notebook.* — July 2023
- Built a Convolutional Neural Network (CNN) model using TensorFlow and Keras to classify images as "happy" or "sad."

CNN Image Classifier | *Keras, Convolutional Neural Network (CNN), Docker, AWS, GitHub Actions.* — June 2023
- Implemented a Convolutional Neural Network (CNN) based image classifier to classify images into cats and dogs using Python, TensorFlow, and Keras.

Face Recognition Application | *Python, OpenCV, face recognition, NumPy, Pandas* — Feb. 2023
- The script identifies individuals in real-time by comparing detected faces with pre-processed encodings from a directory of training images, displaying their names and retrieving additional information from a CSV file..

TECHNICAL SKILLS

Languages: Python, C++, C, Matlab, BASH, JAVA, YML, LaTeX
Area of Interest: AI, Machine Learning, Deep Learning, Data Science, MLOps
Databases: MySQL, MongoDB
Technologies: Neural Networks, Numpy, Pandas, Polars, Git, TensorFlow, PyTorch, Keras, Computer Vision, Django, scikit-learn, mlflow, Advance Excel