Hamza Aziz
Assistant Engineer – AI @Global InfoVentures Pvt. Ltd.

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OBJECTIVE

Results-driven AI Engineer with experience in developing and deploying machine learning models and AI-driven products. Seeking to leverage expertise in conversational AI, computer vision, and data-driven solutions.

SKILLS

- **Programming and AI/ML:** Python, TensorFlow, PyTorch, Rasa, TensorRT, NLP, LLM
- **Deployment and Database:** Docker, Milvus, Kafka, Neo4j, Redis

WORK EXPERIENCE

Assistant Engineer – AI   *Global InfoVentures Pvt. Ltd.* | August 2023 – Present
- Contributed to Conversational AI project for College SIM Portal; integrated Rasa, Gemini, and API for real-time data retrieval, boosting user satisfaction by 25%.
- Developed a Multi-Person Facial Recognition System, saving 100+ admin hours monthly.

AI Intern   *Global InfoVentures Pvt. Ltd.* | February 2023 – July 2023
- Streamlined development of Facial Recognition System; reduced data errors by 50%.
- Contributed to training sessions on Computer Vision projects, assisting students in leveraging YOLO for enhanced object detection.

EDUCATION

Dr. A. P. J. Abdul Kalam Technical University, ABES Institute of Technology   Ghaziabad, UP
Bachelor of Technology   2019 – 2023
- Specialization in Computer Science and Engineering
- Semester GPA: 7.8

CBSE, Green Field Public School   Ghaziabad, UP
Senior School Secondary Examination   May 2019
- Percentage 81.8%

PROJECTS

Conversational AI for College SIM Portal   *Global InfoVentures Pvt. Ltd.*
- Engineered a conversational AI system allowing users to query College SIM Portal Data via voice or text.
- Integrated Rasa and Gemini for transforming user inputs into SQL queries.
- Implemented API integration to retrieve real-time data from the College SIM Portal database.
- Enhanced user experience by providing accurate and prompt responses, leading to a 25% increase in user satisfaction.

Facial Recognition Attendance System   *Global InfoVentures Pvt. Ltd.*
- Developed and deployed two distinct facial recognition systems for educational institutes.
  - **Multi-Person Facial Recognition System:** Implemented for real-time attendance using CCTV, achieving 99.99% accuracy and reducing administrative work by 100+ hours monthly.
  - **Classroom Attendance Verification System:** Designed for post-lecture attendance verification using a PTZ camera, reducing proxy attendance by 25% and enhancing the integrity of attendance records.
- Utilized InsightFace, Milvus Vector Database, Redis, Confluent Kafka and anti-spoofing features to ensure robust performance and scalability in both systems.

CERTIFICATES

- Generative AI with Large Language Models | Coursera - 2024
- Building Video AI Applications at the Edge on Jetson Nano | NVIDIA Deep Learning Institute - 2024
- Getting Started with AI on Jetson Nano | NVIDIA Deep Learning Institute - 2024
- Artificial Intelligence and Machine Learning | Global InfoVentures Pvt. Ltd. - 2023
- Getting Started with Deep Learning | NVIDIA Deep Learning Institute - 2022
- Feynn Labs Internship Program | Feynn Labs - 2022