

Shubham Chandra Saurabh

Machine Learning Engineer

AiEnsured Pvt Ltd

+91-9370639319

shubhamappy5456@gmail.com

[Linkedin](#) | [Github](#)

Objective

To work for an organization that provides me the opportunity to improve my skills and knowledge to grow along with the organization objective

Education

• B.Tech in Computer Science

Aug 2018 - May 2022

ITM University, Gwalior, INDIA

Experience

• AiEnsured Pvt Ltd

July 2023 - Present

Machine Learning Engineer

- Developed end-to-end Rag pipelines for testing with a strong emphasis on AI-generated output metrics for the evaluation of rag output.
- Successfully developed a robust road scenario object detection system using YOLO, OpenCV model, significantly improving road safety by accurately identifying and tracking vehicles and objects, with 85% precision and 87% recall in real time

• MobiloitteTechnologies

Aug 2022 – May 2023

Manual Tester

- Tested the Live project Name as Tarality (Crypto-currency Platform).
- Tested the Live project Name as Bitbharat(Crypto-currency Platform).
- Tested the project Name as Exobe(Market-place).

• Hynix Intermedia

March 2022 - May 2022

Machine Learning Intern

- Provided crucial support on live projects, showcasing hands-on problem-solving skills and contributing to successfully project execution
- Applied Machine Learning and Deep Learning expertise to develop cutting edge projects

Projects

– Road Scenario Detection

- Successfully developed a robust road scenario object detection system using YOLO, OpenCV model, significantly improving road safety by accurately identifying and tracking vehicles and objects, with 85% precision and 87% recall in real time.
- Develop Streamlit app for Camera, Image, and video

– Multi Document Chatbot

- Developed information retrieval application, designed a RAG system using vector search embedding, LLama2-7b and Langchain.
- Build Streamlit/Gradio app and deployed on Hugging Face Hub for QnA.

– RAG Pipeline

- Successfully developed End to End Pipeline with data Ingestion, Model building & Fine Tuning and Prediction. With 95% confidence which consumer repay the credit amount.
- Developed a Flask application.

– Railway's Gatisakti project.

- Developed a platform that validates detailed project reports by matching them against predefined templates and rules. The platform ensures that submitted reports meet specific criteria, providing automated validation and feedback. This helps streamline the review process, ensuring consistency and compliance with set standards.
- Integrated Rag pipeline for chatbot response validation.

Technical Skills and Interests

Languages:- Python | HTML

Libraries:- TensorFlow | PyTorch | Keras | Scikit-Learn | Pandas | NumPy | OpenCV | Langchain | MLFlow | Hugging Face | OCR extraction.

Dev & BI Tools:- GitHub | Docker | Power-BI | Tableau

Cloud Platforms:- AWS (EC2)

Publications and Certifications

- Python Programming

Jan 2021