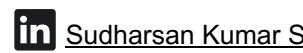
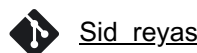
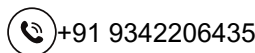
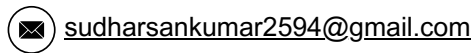


SUDHARSAN KUMAR

AI Engineer



ABOUT

AI Engineer with 2+ years of experience in AI Design, Development, Deploy and Integration. Advanced knowledge in AI and related technologies and tools. Proficient in technical leadership, communication, and presentations. A fast adopter with expertise in working in collaborative environments across multiple geographies. Seeking to work for a technology-driven firm that aims to be on the cutting edge, values its people, and promotes their knowledge.

WORK EXPERIENCE

■ AI Engineer - iQube (2023-Present)

- **Designed, developed, and deployed** end-to-end AI/ML applications and systems, utilizing advanced techniques to enhance **efficiency and robustness by 40%**.
- Actively participated in **project meetings and public sessions**, providing **valuable insights for AI** system improvements and optimization.
- Led, mentored, and managed a **20-member AI team**, ensuring the development of **high-quality AI systems (>92% accuracy)** while fostering a **collaborative, performance-focused environment**.

PROJECTS

■ Welvision (Ongoing)

- Directed an **AI-powered quality assurance system** integrating **OpenCV, TensorFlow, and MongoDB** for automated defect detection in industrial rollers, resulting in a **30x increase in production**.
- Implemented **PLC integration** for **real-time inspection** and defect classification, reducing **manual error by 55%**.
- Simplified a **role-based access control (RBAC) system** to **secure model training, data access, and performance tracking**.

■ Deep Tracers (OCT 2024)

- Proposed an **AI-driven deepfake detection platform** using **Transformers, Flask, PostgreSQL, and OpenCV** to mitigate misinformation.
- Authored **web and mobile applications** with **user reporting features**, ensuring **real-time flagging of manipulated media** with **20% higher accuracy**.
- Built a proprietary **"Tracers Intelligence" algorithm** for enhanced deepfake detection with **85% accuracy**.

■ Yugam AI (Feb - Mar 2024)

- Created a **RAG-based AI chatbot** using **FAISS, TensorFlow, and Langchain**, managing interactions for **10,000+ users**.
- Implemented **behavior analysis-based retrieval**, improving chatbot efficiency **by 40%**.
- Integrated the chatbot with **LLMs (Llama-based architecture)** for personalized recommendations.

SKILLS SETS

Programming Languages: Python ,JavaScript, C

Frameworks: TensorFlow, PyTorch, Scikit-learn, Flask, FastAPI, Langchain

Databases: PostgreSQL, MySQL, MongoDB

Tools: MLflow, Kubeflow, DVC

Cloud: Amazon Web Services(AWS), Azure

Soft Skills: Leadership, Strategic planning, Communication, Problem-Solving

TECHNICAL SKILLS

- Machine Learning
 - Deep Learning
 - Natural language processing
 - Computer vision
- Large language model
 - Generative AI
 - Agentic AI
 - Git

ACHIEVEMENTS

- Smart India Hackathon - **Winners**
 - Cyber Quest National Challenge (AI Track) - **Runner-up**
 - KCT Achievers Award - **Plunge Award**
 - KCT Achievements - Certificate of Recognition (Robocon - **AIR 17**)
- 2023

2024

2024

2024

EDUCATION

| | |
|--|-----------|
| B.E. Information science and Enginerring - (CGPA - 7.95) Kumaraguru college of technology | 2021-2025 |
| Variyar Hr. Sec. School - (93.5%) 12thStd | 2019-2021 |
| Variyar Hr. Sec. School - (91.4%) 10th Std | 2014-2019 |

CERTIFICATES

- AWS Certified AI Partitioner
- Data Analysis with R Programming
- AWS Academy Machine Learning Foundations

LANGUAGE

- English
- Tamil

I hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.