

CHANDAN VK

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EDUCATION

K S Institute of Technology, Bangalore, India Bachelor of Engineering (Artificial intelligence & Machine Learning), CGPA: 8.09	karnataka, India June 2021 - August 2024
Rural PU College, Kanakapura, India PCMB; Percentage: 83 %	karnataka, India June 2018 - August 2020

SKILLS SUMMARY

- **Languages:** Python, C++, JAVA, C
- **Frameworks:** Pytorch, Tensorflow, ROS2, Langchain, CrewAI
- **Machine Learning:** Pandas, Numpy, scikit-learn, Regressions, Decision Tree, Random forest, SVMs and Clustering algorithms matplotlib and seaborn.
- **NLP** Natural Language Generation and Natural Language Understanding
- **Deep Learning** ANN, RNN, LSTM, CNN and YOLO , Reinforcement Learning
- **Tools:** Docker, Kubernetes, Streamlit, Gradio, GIt, HuggingFace
- **Databases:** MySQL, ChromaDB
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA, Kaggle

WORK EXPERIENCE

AI ENGINEER (As FreeLancer at Upwork)	May 24- June 2024
Developed custom AI-powered Multi-Agents tailored to diverse roles for NewsLetter Generation. Leveraging my expertise in artificial intelligence and automation, Engineered specialized agents for tasks ranging from research and account management to copywriting, visual design, and frontend development. These agents streamlined processes, enhanced productivity, and delivered high-quality outcomes, showcasing my proficiency in leveraging technology to drive innovation. Skills: Langchain, CrewAI, ComfyUI, Stable Diffusion, Groq, Bash	

PROJECTS

DocQA LINK	September 23- March 2024
A Document AI system which can be used in Financial sectors to automate processes. Uses a custom fine tuned Donut model on forms like 1099-div, 1099-Int, w2, w3 with accuracy of 93 %. For classification, used the RSnet-152 model with custom training got accuracy of 97 %. and integrated with chatbot to interact with uploaded documents with context awareness. Skills: open-source LLMs, Pytorch, Streamlit, Langchain, Docker, pandas, numpy, matplotlib	
AI - Voice ChatBot LINK	December 23- February 2024
A Responsive chatbot with a custom voice which recognizes our voice and response in its voice. Very useful for Assistance purposes which can be fine tuned to specific tasks and can integrate to web applications. Implemented using Groq API which uses the Mixtral-8x7b-32768 model and uses AssemblyAI and ElevenLab for voice recognition and conversion from text to custom voice. Seamless integration with natural language processing (NLP) algorithms allows for context-aware conversations. Skills: React, open - source LLMs , RAG, Fast API, Langchain	
Pest Detection System LINK	September 23- October 2023
The project harnesses advanced deep learning methods, notably YOLO v5, with an 94% accuracy rate, underscoring its effectiveness in pest detection. YOLO v5 enables real-time monitoring, amplifying operational efficiency and responsiveness. Moreover, it specifies pest classes, elevating its utility. A user-friendly web-based interface, ensures effortless interaction and accessibility. Committed to continuous enhancement, the project remains dedicated to ongoing research initiatives. Skills: YOLOv5, Flask, Pytorch, Matplotlib, pandas, numpy	

CERTIFICATES

Machine Learning Specialization CERTIFICATE	August 2023
TCS iON National Proficiency Test - Artificial Intelligence - Pro CERTIFICATE	May 2024