

Pallavi HOGE



PROFILE

Innovative and passionate Data Engineer seeking to leverage a strong background in data analysis and Intelligent Automation. I have developed and maintained scalable software applications, leading projects in analytics, NLP, and automation. My strong problem-solving skills have led to optimized automation solutions, saving significant human efforts. I am committed to continuous learning to stay current with emerging technologies. While my expertise spans multiple domains, my primary focus remains on advancing cutting-edge NLP solutions.

CONTACT DETAILS

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SKILLS

- Python, R, Scala
- Mysql, MongoDB, Elasticsearch, GraphQL
- Azure Devops, PowerBI
- Django, Flask, FastAPI

TECHNOLOGIES

- Generative AI, RAG, Prompt Engineering, LLMs, NLP, Speech Recognition, Optical character recognition, Computer vision

EXPERIENCE

DATA SCIENTIST at *LTIMindtree (Chennai)*. **2022.07–present**

- ◇ Chatbot: Intelligent Chatbot developed using Rasa Framework to handle the support tasks saving the human efforts required.
- ◇ Ticket Resolution Classification: Created and deployed an api server to classify the ticket resolution notes based on their meaningfulness.
- ◇ Voice Based Search Engine Optimization: An model pipeline having abilities to listen to user voice and provide with the data requested by user
- ◇ Insights: A Gen AI Based Dashboard providing the analysis, trends, and reports from the day to day data
- ◇ Document based summarization and chatbot creation: A model pipeline which can take one or many documents in the form of docx, pdf, txt process it, summarize it and create a platform to chat based on the data in the document.
- ◇ Generic Recommendation Engine: Created and deployed a GRE for a company dashboard
- ◇ Script Automation: Used python scripting to automate various time taking daily tasks involving model trainings, excel data handling, data payload creations
- ◇ Automation Savings Prediction Model: A model to predict the potential human efforts being saved by particular bot and based on a data on a whole project

TEACHING ASSISTANT at *IIT Palakkad (Kerala)*. **2020.11–2022.04**

- ◇ Database management systems, Machine Learning, Big Data

EDUCATION

MTECH In **Data Science** at **Indian Institute of Technology, Palakkad**. **2020–2022**

- ◇ Thesis title: *Protein Representation Learning from their 3D Structure for Drug- Target Binding Affinity Prediction*

BACHELOR IN ENGINEERING Electronic and Telecommunication at Govt. College of Engineering, Chandrapur. **2014–2018**

ADDITIONAL PROJECTS

1. Multi modal and Multi class classification of images using the image and text description
2. Smart issue Tracker: A query portal With a huge qna data fetching the query results based on information retrieval.
3. Rainfall prediction using Time series forecasting.
4. Real time face detection.
5. Spam filtration, Anomaly Detection, Sentiment Analysis

HOBBIES

Swimming, Singing, Coding, Planting, Robotics