

# E Hemanth Nagesh

AI || ML || CLOUD

## Professional Summary

Dynamic innovative AI researcher with a proven track record of designing and implementing cutting-edge generative AI models and architectures. Expertise in applying machine learning techniques to creative content generation, natural language processing, and other AI-powered applications.

## Experience

### AI/ML Developer, Tata consultancy services, Trivandrum

12/2023 - Present

- **Model Development and Model Optimization:** Skilled in using TensorFlow, Keras, PyTorch, and YOLO for model training, fine-tuning, and deployment; developed and managed custom datasets for varied AI applications.
- **Accessibility Enhancement Project:** Led a project utilizing Google Gemini AI to convert inaccessible images on websites into accessible formats, improving web accessibility.
- **LLM Fine-Tuning on GPUs:** Experienced in fine-tuning large language models for specific use cases, leveraging RNI containers for GPU-accelerated training and optimization.

### Artificial intelligence(Intern), Botsio ChatBot LLP, Mysore

03/2023 - 05/2023

Developed an interactive chatbot that allows the admin to add related documents that customers want to interact with.

**Tools:** using OpenAI and streamlit app.

### Machine Learnig(Intern), Bharat Intern, Remote

10/2023 - 12/2023

Developed three real-time projects in the period of one month and explored important ML preprocessing techniques used in data analysis.

**Tools:** Data cleaning, CNN

## Education

### Master of Computer Applications, PES college of Engineering, Mandya

10/2021 - 07/2023

CGPA 8.3

### Bachelor of Computer Applications, Ramaiah Institute of business studies, Bangalore

05/2018 - 09/2021

CGPA 7.4

## Personal Details

Bangalore,  
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## Certifications

### Microsoft Azure AI foun- dational certified, Microsoft

08/2024 - 09/2024

### AWS certified developer associate, Udemy

07/2023 - Present

### Generative AI, LinkedIn Learning

07/2023 - 07/2023

## Links

[linkedin](#)

## Skills

Python(PyTorch, TensorFlow)

Databases: SQL/ PL\_SQL

Cloud Computing: Microsoft Azure

Generative AI

ML techniques and preprocessing

Java

Effective Time Managment

Team Collaboration

Critical thinking and problem solving

Artificial intelligence

## Extra Curricular Activities

### Promoting, Nescafe Sunrise, Bangalore

03/2019 - 10/2019

delivered exceptional customer service by promptly and professionally addressing inquiries, resolving issues, and ensuring a positive experience through effective communication with customers.

### Ideathon, TATA Group Innovation,

12/2023 - Present

Collaborated with team to propose solutions to strategic problem statements on Tata Group's innovation portal. Successfully won three awards for our ideas, including a gold award, demonstrating strong problem-solving and innovative thinking within competitive environments.

## Projects

### DocuBot System using AI

chatbot system enhancing document exploration through OpenAI's language models and vectorstore for efficient retrieval. Leveraging the Language Model Library (LLM), And NLP, it ensures rapid and accurate responses, bridging the gap between natural language processing and document-based question answering.

### IPL Score Prediction using Deep Learning

Implemented cutting-edge generative AI models using Machine Learning and Deep Learning. I ensured smooth front-end integration with Flask and optimized algorithms using NumPy, Pandas, Scikit-learn, TensorFlow.

## Hobbies and Interests

TED Talk

Traveling