

KARTHIKEYAN P

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🌐 [Linkedin](#)

EDUCATION

st.josephs institute of technology

B.Tech - Artificial intelligence and Data science

2022 – 2026

chennai, tamil nadu

EXPERIENCE

Machine learning intern

December 2024 - January 2025

Role - machine learnig developer

Building enterprises and training solutions

- Developed and trained machine learning models using Python, Scikit-learn, and Pandas for classification and prediction tasks.
- Performed data preprocessing, feature engineering, and model evaluation on real-world datasets.
- Collaborated on projects like sentiment analysis and fake news detection to deliver actionable insights.

Intern at cognifyz

March 2023 - June 2023

Role - designer

Cognifyz Technologies

- Learned and Implemented **Designed intuitive wireframes and interactive prototypes using Figma.**
- Collaborated with developers to implement responsive and accessible UI designs.
- Successfully cleared the **Conducted user research and usability testing to refine user experience and design flow.**

PROJECTS

Microblogging Sentiment Analysis [🔗](#) | NLTK ,Scikit-Learn

Jan 2025

- Built a sentiment analysis model using NLP and machine learning to classify microblog text with 85+ accuracy
- Developed a full pipeline for data collection, preprocessing, model training, and result visualization in Python.
- Analyzed real-time trends and hashtags to track shifts in public sentiment for social media monitoring.

PoseShift.AI — Human Pose Analyst [🔗](#) | OpenPose ,RunwayML

Jan 2025

- Developed a hybrid AI system integrating GANs, VAEs, and diffusion models for realistic 2D/3D human pose generation and augmentation.
- Combined CNNs with large language models (LLMs) to interpret and provide natural language feedback on pose quality and form.
- Designed a modular architecture facilitating rapid prototyping, enabling applications in motion intelligence and real-world human action analysis.

Interview Creation Portal [🔗](#) | React, JavaScript, BERT, GPT-3.5

2025

- An interview page where the admin can create an interview by selecting participants, start and end time.
- Implemented an interviews list page where admin can see all the upcoming interviews.
- An interview edit page where admin can edit the created interview with the same validations as on the creation page.

TECHNICAL SKILLS

Languages: Python, java,SQL

Frameworks/libraries: Python, Scikit-learn, TensorFlow, Keras, PyTorch, Tensorflow

AI skills: LLM, prompt engineering, deep learning, NLP

CERTIFICATIONS

- Python for data Science-NPTEL
- Networking Bacics-CISCO
- Prompt Engineering for Everyone -IBM
- Introduction to Natural Language processing-INFOSYS
- supervised machine learning-COUSERA

EXTRACURRICULAR

- Volunteer, Smart India Hackathon – AICTE MoE — [2024]
- CSI Member