

GANESH R

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Objective

Seeking a position as a Machine Learning Engineer to apply my skills in developing, training, and optimizing ML models. With a strong background in data analysis, feature engineering, and model evaluation, I aim to contribute to intelligent, data-driven solutions that address real-world challenges across industries.

Education

Saveetha Engineering College, Chennai

B.Tech in Artificial Intelligence and Machine Learning

Nov 2022 – May 2026

- CGPA: 7.8/10 (Till 5th sem)

Govt. Higher Secondary School, S.V. Nagaram, Tiruvannamalai

Computer Science Group | Percentage: 80%

June 2020 – May 2022

Experience

Data Analyst Intern, 8Queens Software Technologies Pvt Ltd - Chennai, India.

June 2024 – July 2024

- Assisted in collecting, cleaning, and analyzing datasets to generate actionable insights.
- Supported the development of dashboards and reports to aid business decision-making.

Ethical Hacking Intern, Zybeak Technologies – Chennai, India.

Sep 2024 – Nov 2024

- Conducted manual penetration testing on the ColdBox Framework using Kali Linux, gaining hands-on experience in ethical hacking
- Developed a malware detection tool with YARA rules, heuristic analysis, and a machine learning model for advanced threat detection

Projects

SignLInformer: From Text to Gesture Translation

- Designed and implemented a deep learning-based architecture that translates textual input into corresponding sign language gestures using transformer models.
- The system leverages NLP and computer vision techniques to enable real-time, accurate gesture synthesis, promoting inclusive communication for the hearing-impaired community.

CropYield Predictor: Smart Agriculture Forecasting

- An AI-powered model that analyzes historical crop data, weather patterns, and soil conditions to accurately forecast crop yields, helping farmers make data-driven decisions for efficient and sustainable agriculture.
- Developed a regression-based model to predict crop yield based on soil, weather, and geographic data.
- The system helps farmers and agricultural planners make informed decisions to improve productivity.

Fake News Detection Using NLP

- Built a classification model using Natural Language Processing to identify and flag misleading or false news articles.
- Detects and classifies news articles as real or fake using natural language processing techniques.

Skills

Languages: C, Java, Python, Dart

Technologies: Machine Learning, Deep Learning, Natural Language Processing, Reinforcement Learning, Digital Image Processing

Tools: GitHub, VS Code, Operating Systems

Certifications

Coursera – Supervised Machine Learning, Dynamic Public Speaking

NPTEL - Cloud Computing, Introduction To IOT

ICT Academy - Cloud Practitioner (AWS) , MongoDB Basics

Infosys Springboard - AI with Python , Deep Learning with Pytorch, Digital Image Processing , Neural Network, UX Design

J.P Morgan - Software Engineering

Udemy – C and C++

Achievements & Hackathons

NCC - GHSS S.V. Nagaram

Jul 2020

- Received A certification for completing National Cadet Corps training.

SSF IBM Datathon - Shooting Star and IBM

Oct 2024

- Participated in the IBM Hackathon, developing a project using machine learning.
- Gained hands-on experience in implementing real-world ML and CV solutions within a competitive environment.