

Subhasri P

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EDUCATION

B.E Computer Science Engineering in Artificial Intelligence And Machine Learning , KPR Institute Of Engineering Sep '23 — Present
And Technology (GPA: 8.5/10.0) Coimbatore

EXPERIENCE

Ether Info Tech Jan '25 — Feb '25
Machine Learning Intern Coimbatore

- Engineered ML pipelines for fraud detection and churn prediction, achieving 92% accuracy by Python and Scikit-learn for data-driven decision making. . Enhanced model performance by 30% through advanced feature engineering and hyperparameter tuning techniques.

SKILLS

Programming Languages C, C++, Java, MongoDB, Python, R
Visualization Matplotlib, Pandas, Seaborn
Machine Learning CNN, Keras, Pytorch, Scikit-Learn, Tensorflow
Version Control Git, Github
Frontend HTML, CSS, ReactJS

PROJECTS

Skin Lesion Classification using Deep Learning [Link](#)

- Designed and trained a Convolutional Neural Network (CNN) using TensorFlow on the HAM10000 dataset, classifying 7 types of skin lesions including melanoma and benign keratosis.
- Achieved 91% validation accuracy and 85% test accuracy through systematic data augmentation, early stopping, and hyperparameter tuning using Keras callbacks.
- Tools & Technologies: Python, TensorFlow, OpenCV, NumPy, Matplotlib, Scikit-learn

AI Legal Assistant [Link](#)

- Built a smart legal assistant that streamlines legal research and documentation for users. The system uses Retrieval Augmented Generation (**RAG**) to extract and summarize relevant sections from case laws and statutes, and an **LLM**-based chatbot to answer user queries in natural language. Added document generation and text classification features for drafting contracts and identifying legal domains.
- Tech Stack:** Python, LangChain, OpenAI API, FAISS, Streamlit, Flask, NLP, RAG Architecture

VOLUNTEERING & LEADERSHIP

Public Relation Officer, Neuraneet Association - AIML Department
Event Coordinator, Mental Health and Happiness Club
Kalam's World Record - Created Online Event of Mindchemy Webinar Marathon featuring 36 hours with 36 sessions.

CERTIFICATIONS

Deep Learning Specialization by Andrew Ng, Coursera
Building RAG Apps Using MongoDB, MongoDB
Building AI-Powered Search with MongoDB Vector Search, MongoDB
Responsible And Safe AI System, NPTEL
Introduction to Large Language Model, NPTEL

AWARDS

1st place
IEEE Computational Intelligence Society
Algorush Codeathon