DEEPAN A N

arnavakumar1973@gmail.com | 6379041944

EDUCATION

KLN COLLEGE OF ENGINEERING
B.TECH IN INFORMATION TECHNOLOGY
SIVAGANGA, TAMIL NADU
Cum. GPA: 8.35

KRISHNAMAL RAMASUBBAIYER CBSE SCHOOL MADURAI
HSC
| PERCENTAGE: 86.4

KRISHNAMAL RAMASUBBAIYER SCHOOL MADURAI
SSC
ELIYARPATHI | PERCENTAGE: 87.8

COURSEWORK

GRADUATE
Python
Introduction to aiml
Supervised,unsupervised learning

SKILLS

PROGRAMMING
Python(AI ML)
Java(oops)

TOOL FRAMEWORKS
Streamlit (AI App Development) Google Colab & Jupyter Notebook Git & GitHub (Version Control) Power BI (Data Visualization)

ACHIEVEMENTS

Runner-up in Aisthetica 2K25 for an AI healthcare research paper and secured Top 10 in a 24-hour AI/ML hackathon. Completed a 2-month ML internship, published AIML research papers, and developed 6+ AI/ML projects,got shortlisted in 24hrs psna gdg hackathon

PROFILE

LINKEDIN |Professional Networking

www.linkedin.com/in/deepan-a-n-6b77b0256

EXPERIENCE

TEACHNOOK | MACHINE LEARNING TRAINING
Sep 2023 – Oct 2023 | Chennai, Tamilnadu

- Gained hands-on experience in machine learning concepts and real-world applications.
  Worked on data preprocessing, model building, and evaluation techniques.
  Explored Supervised Unsupervised Learning, NLP, and Computer Vision.
  Implemented ML models for healthcare AI, sentiment analysis, and automation.
  Developed a solid foundation in Python, TensorFlow, and Scikit-learn for AI/ML development

PROJECT

AI-POWERED SENTIMENT ANALYSIS USING NLP
Jan 2024 | MADURAI,TN

- Developed an NLP-based sentiment analysis model to classify emotions from text.
- Utilized TF-IDF, Word2Vec, and LSTMs for improved sentiment classification.
- Integrated the model into a chatbot for real-time feedback analysis.

ROTTEN FRUIT DETECTION USING AI
April 2024 | MADURAI,TN

- Implemented image classification using CNNs to detect rotten fruits.
- Trained on three fruits dataset for high accuracy in fruit quality detection.
- Optimized TensorFlow and OpenCV for real-time detection.

CROP AND FERTILIZER DETECTION USING AI
July 2024 | MADURAI,TN

- Designed an ML model to recommend optimal fertilizers based on crop type and soil conditions.
- Used Random Forest and SVM for accurate classification.
- Deployed as a web app using Streamlit for ease of access.

REAL-TIME EMOTION DETECTION
Nov 2024 | MADURAI,TN

- Developed a deep learning model for facial emotion recognition.
- Integrated OpenCV and CNNs for real-time emotion classification.
- Optimized performance for low-latency, real-world applications.

AI-BASED TRAFFIC MANAGEMENT SYSTEM
Feb 2025 | MADURAI,TN

- Built an AI-powered traffic prediction system using historical data.
- Implemented computer vision for congestion detection.
- Used time-series forecasting models (LSTMs ARIMA) for traffic flow optimization.

RESEARCH EXPERIENCE

- Conducted research on **AI-driven personalized healthcare systems**.
- Developed a **working prototype** showcasing **automated diagnosis and patient monitoring**.
- Secured **Runner-up position in Aisthetica 2K25**, conducted by **AIDS**.