PAVITHRAN

COMPUTER SCIENCE ENGINEER

CONTACT

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EDUCATION

2020 - 2024
Apollo Engineering College

- B.E Computer Science and Engineering

2018 - 2020
Government Higher Secondary School

- SSLC , HSC

SKILLS

- Machine learning
- Deep learning
- Computer vision
- Git and Github
- Quick learning
- Matplotlib , pandas , numpy (basics)
- Web development fundamentals

LANGUAGES

- Tamil
- English

PROFILE

I'm Pavithran, a curious and motivated individual with a strong passion for Artificial Intelligence. My journey began with exploring various internet resources, where I diving deep into machine learning, deep learning, and computer vision. I have hands-on experience with scikit-learn and TensorFlow, which I use to build and optimize AI models. My background in computer science and engineering has equipped me with the skills to tackle real-world problems and develop practical solutions. Physics is another area that fascinates me, and it drives my curiosity and approach to problem-solving.

I'm eager to apply my knowledge in AI through collaboration on real-world projects, from data preprocessing to model deployment. I thrive in both independent and team settings, always looking to learn, grow, and contribute to innovative AI solutions. My goal is to gain hands-on experience and further develop my technical skills by working with experienced professionals in the field.

PROJECTS

Machine learning

- Salary Classification using K-Nearest Neighbors (KNN)
- Digit Classification using Support Vector Machine (SVM)
- Leaf Prediction Decision Tree Classifier
- Titanic Survival Prediction using Naive Bayes (GaussianNB)
- Classifying breast cancer tumors as malignant or benign.
- Digit Recognition using Random Forest

Deep learning

- Image classification with CNN
- Character recognition with CNN
- Hand Gesture Recognition

Computer vision

- Moving object detection
- Face detection
- Emotion Recognition using prebuild library

CERTIFICATION

Artificial intelligence Foundation

I completed a 40-hour AI foundation course, where I learned the core principles of AI, machine learning, and deep learning, and gained practical experience in computer vision using OpenCV and CNNs. Through projects, I implemented algorithms such as Logistic Regression, KNN, and SVM in Python, focusing on model development and evaluation. This course strengthened my technical foundation and prepared me for real-world AI challenges.