

ADITHIYAN PV

 Adithiyanpv |  Adithiyan PV |  ADITHIYAN PV |  adithiyan999@gmail.com |  +919360105866

WORK EXPERIENCE

Mentor, Cognizance Club, AMRITA VISHWA VIDYAPEETAM

Jan 2024 - present

As a mentor, evaluated students on weekly technical tasks, quizzes, and hackathons, contributed to intra-college Computer Vision hackathon and other technical events. Guided many students in upskilling, focusing on career development and technical expertise.

PROJECTS

A.I.A.R.A - THE SOCIAL ROBOT

GitHub

Python, Flask, Gemini Pro API, Whisper, OpenCV, YOLOv8, HTML, CSS, JavaScript

- Designed an interface for social robots capable of recognizing faces, engaging in natural conversation, and detecting emotions through visual and textual inputs. Developed animated avatars that convey emotions based on user interactions.

GENERATION OF FEN SCORE FROM CHESSBOARD USING CNN

GitHub

Python, Tensorflow, Keras, OpenCV, Matplotlib, Scikit-learn, Pandas, Numpy

- Developed a CNN-based model to accurately generate FEN scores from digital chessboard images, achieving 98.4% accuracy. The system is designed for real-time application, enabling automated analysis of online chess matches and efficient game record keeping, thus streamlining the process for players and commentators by providing instant, accurate board states.

FINANCIAL FRAUD DETECTION

GitHub

Python, Scikit-learn, Flask, HTML, CSS, Pandas

- Built a scalable web application integrating a 96.87% accurate Random Forest model to detect financial fraud in real time, featuring a user-friendly interface for seamless transaction monitoring and fraud prediction.

EDUCATION

2022 - present B.Tech in Artificial Intelligence Engineering at **AMRITA VISHWA VIDYAPEETAM** (GPA: 8.50/10.0)

2022 High School at **NARAYANA OLYMPIAD SCHOOL - CBSE** (81%)

SKILLS

Areas of Interest	Full Stack Web Development, Computer Vision, Natural Language Processing, Cloud computing.
Languages and Frameworks	Python, Java, Networking Fundamentals, ReactJS, Bootstrap, SQL, HTML, CSS, TensorFlow, Pandas, Numpy, Keras, Scikit-Learn.
Tools and Technologies	Git and GitHub, AWS, Microsoft Power Automate, VS Code, Jupyter Notebook, Google Colab, Linux, MS Office, Figma, Canva.
Soft Skills	Leadership, Communication, Teamwork, Public Speaking, Time management.

CERTIFICATIONS AND ACHIEVEMENTS

- Completed the Infosys Springboard AI Bootcamp, achieving certifications in Data Science, Computer Vision, NLP, RPA, Deep Learning.
- Earned the badge of accomplishment from AWS for successfully completing the "AWS Academy – Cloud Foundations" course. (View Badge)
- Achieved First Place in a Quiz Competition organized by the College of Engineering, Guindy (CEG).
- Emerged as one of the top teams in the SUSTAIN-A-THON 2024, hosted by Indian Oil Corporation.
- Published research papers indexed in IEEE Xplore (View publications here).
- Volunteered at Sevalaya as part of the Sevanavaram initiative.