NARENDHIRAN D

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Dedicated AI Developer with a Bachelor of Technology in **Artificial Intelligence and Data Science**, boasting a GPA of 8.10. Proficient in **Python, JavaScript, SQL, JAVA**, and frameworks such as **Scikit, TensorFlow, Django, Flask, and PyTorch**. Experienced in developing advanced deep learning models, web applications, and machine learning projects. Skilled in using tools like **GIT, MongoDB Atlas, MySQL, SQLite, Eclipse, Android Studio, and Intellij.** Strong in performance, regression, and functional testing with automation tools like Selenium. Adept at UI/UX design using **Figma and ReactJS.** Seeking to leverage technical skills and project experience to drive innovative **AI solutions** and enhance user experiences.

EDUCATION

Bachelor of Technology, Panimalar Institute Of Technology   Aug, 2020- May, 2024
Specilized In **Artificial Intelligence And Data Science**.

Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases

HSC +2, Bharathidasan Matric Hr. Sec. School   July, 2018 - Mar, 2020
Specilized In Computer Science With Mathematics.

SKILLS

Technical Skills	Python, JavaScript, SQL, JAVA
Soft Skills	Leadership Public Speaking Teamwork Problem-Solving Adaptability Attention to Detail
Frameworks	Scikit, TensorFlow, Django, Flask, NodeJS, PyTorch
Tools	GIT, MongoDB Atlas, MySQL, SQLite, Eclipse, Android Studio, Intellij, Pycharm,
Platforms	Linux, Web, Windows, Firebase

EXPERIENCE

Java Trainee   Mar 2024 - Jun 2024
Qspiders   *Chennai, Tamil Nadu*

- Items related to technical skills experienced 70% growth using Python, JavaScript, SQL, JAVA skills.
- Led My Team Of Students, increasing previous skills by 70% .
- Designed and developed innovative software solutions, AI models, and deep learning prototypes, verified and endorsed by esteemed mentors at Qspiders. .

PROJECTS

DEVELOP A DL MODEL TO RESTORE VINTAGE ART PIECES USING CONTEXT ENCODERS:

● Designed a sophisticated deep learning algorithm utilizing pre-trained convolutional neural networks to enhance the quality of deteriorated images of historical artwork, resulting in a 35% improvement in feature extraction accuracy and making a significant contribution to the preservation of cultural heritage. (May '24)

DROWSINESS DETECTION SYSTEM USING HAAR FACE ALGORITHM:

● The study seeks to create a fatigue detection system through the use of Haar cascade classifiers for facial recognition. By examining facial landmarks, monitoring faces in live video feeds, and activating alerts, the system improves safety through machine learning, feature extraction, and image processing methods.

● Automated News Summarizer app using Facebook's BERT (Web Scraping, API, NLP, System Design): News articles from various genres were scraped and summarized for user consumption, allowing users to access a wide range of news efficiently. Technologies used include Python, JavaScript, HuggingFace, and NLTK (Dec '22).

- **BOOK RECOMMENDATION SYSTEM USING MACHINE LEARNING**

- Created a personalized book recommendation system using machine learning techniques to analyze user preferences, historical interactions, and book attributes; this led to a 40% increase in recommendation accuracy and a 25% boost in user engagement with a variety of literary content. (Jan '23)

- **BUILD A DEEP FACE DETECTION MODEL USING DEEP LEARNING**

- One way to distinguish individuals is by examining their facial features. Face recognition is a form of personal identification that verifies a person's identity based on their distinct facial characteristics.

- The process of identifying faces in humans involves two main stages: face detection, which occurs rapidly in humans unless the object is very close.

- The second stage is recognition, which acknowledges each face as unique. This is followed by the development of facial image recognition models, such as face recognition, which is a widely studied biometric technology developed by experts.

- The Eigenface technique and the Developed Face Recognition Pattern are two methods currently utilized in this field. (Dec '23)

CERTIFICATIONS

- **Introduction to Generative AI**

- Introduction to Generative AI Introduction to Generative AI Google Google Issued Jul 2024 Credential ID **9834377**

- **Introduction to Large Language Models**

- Credential ID 10474398 , [Certficate](#)

- **Introduction to Responsible AI**

- Credential ID 10481736 , [Certficate](#)

- **COURSES**

  Building a Recommendation System with Python Machine Learning & AI" by Lillian Pierson, P.E.

  [Credential](#)

HONORS AND AWARDS

  - Participation in the Inter college coding debugging Mar, 23

  - Runner's Up in Debugging at CIT Hackathon - Nov, 2022

  ∗ • Runner's at Techathon at SIMATS - Nov, 2023