Mathan kumar M

Student

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ABOUT ME

I am a dedicated Artificial Intelligence and Data Science engineering student with a strong foundation in machine learning, deep learning, and Back-end development. Through various internships, I have developed practical skills and a passion for leveraging data-driven techniques to solve complex problems. I am eager to apply my knowledge and continuously learn and grow within the AI and Data Science field.

EDUCATION

RAMCO INSTITUTE OF TECHNOLOGY

2022 - 2026

7.56 CGPA

TECHNICAL SKILLS

- Python
- Java
- HTML/CSS
- Power BI
- Machine Learning
- PostgreSQL

SKILLS & INTERESTS

- Languages: Tamil, English
- Quick to Adapt
- Continuous Learner
- Interests: Music, Drawing

CERTIFICATIONS

- MICROSOFT POWER BI - ICT ACADEMY
- Gold Badge - HackerRank
- COP-A-THON - TECHGIG
- Networking Basics

WORK EXPERIENCE

INTERNSHIPS

Elysium - Madurai, India **AUG 2024**

Trained in Artificial Intelligence, Machine Learning, and Data Analysis by building Python-based models and interpreting data-driven insights, gaining hands-on experience in applying algorithms and analytical techniques to solve real-world problems.

GEONS LOGIX - Madurai, India **July 2024**

Refined skills in machine learning and data analysis during an internship by building and optimizing regression models for employee salary prediction, with a focus on feature selection, model tuning, and cross-validation to improve prediction reliability.

ELYSIUM - Madurai, India **Sep 2023**

Developed a machine learning project to predict employee salaries by focusing on data preprocessing, regression modeling, and feature engineering, which enhanced model accuracy and reliability.

MINI PROJECTS

Smart attendance system using face detection

Developed a smart attendance system using face detection that automated student attendance marking. Implemented the model with OpenCV and deep learning for real-time face recognition, and integrated it into a user-friendly interface to ensure accuracy, security, and efficiency in attendance tracking.

Text-to-Speech (Deep Learning)

Using deep learning, I established a text-to-speech system that can translate text into speech that sounds natural. I generated audio using speech synthesis models and preprocessed text using natural language processing techniques. TensorFlow/Keras, spaCy, NLTK, and Python are among the technologies utilized.

Image Classification using Neural Networking

Developed an image classification model using neural networks, applying deep learning techniques to improve accuracy and automate recognition.