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.

AAPGS Pvt Ltd – **Madurai, India**   **Mar 2025** – **Aug 2025**

Developed a custom voice chatbot system by integrating NLP, speech recognition, and backend conversational logic, improving response accuracy and overall user interaction efficiency.

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.