S.Madhan metha

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PROFESSIONAL SUMMARY

- I am a **B.Tech** student in **Artificial Intelligence and Data Science**, currently building my skills in **AI, machine learning**, and **data analytics**. While I am still in the process of learning, I am highly enthusiastic about pursuing a career in **data analytics** and **data science**. I am developing proficiency in tools like **Python**, **SQL**, and **machine learning techniques** to analyze and interpret **data**. I am eager to continue expanding my knowledge and apply what I learn to solve real-world data and AI challenges.

EDUCATION

Kongunadu College of Engineering and Technology   Expected Graduation: Sep 2026

Degree*:* B.Tech in Artificial Intelligence and Data Science

- **Relevant Courseworks:**
  - Fundamentals of Artificial Intelligence,
  - Data Structures and Algorithms,
  - Python Programming,
  - Database Management Systems (SQL),
  - Neural Networks,
  - Big Data Analytics,
  - Machine Learning
  - Deep Learning.

SKILLS & INTERESTS

Skills:

- **Programming Languages:** Python. (Intermediate)
- **Data Science Tools:** Pandas, NumPy, Scikit-learn, TensorFlow.(Basics)
- **Database Management:** SQL, MongoDB. (Basics)
- **AI/ML Techniques:** Supervised and Unsupervised Learning, Predictive Modeling, Neural Networks.

Interests:

- **Artificial Intelligence:** Exploring advancements in AI technologies and applications
- **Data Science:** Passionate about data analytics and predictive modeling
- **Programming:** Enjoy coding and developing innovative solutions
- **Travel:** Interested in exploring new places and cultures
- **Volunteer Work:** Enthusiastic about contributing to community and organizational activities

PROJECTS

Early Detection and Diagnosis of Breast Cancer using Deep Learning

Academic Project

- Built a deep learning model to classify breast cancer using mammography images, achieving high accuracy in distinguishing between benign and malignant cases.
- Leveraged neural networks to improve the speed and efficiency of diagnosis.

AI Project: Enhancing Rail Madad with AI-powered Complaint Management
Team Project

- The **Railguard chatbot solution** streamlines the complaint management process by allowing users to submit complaints through voice, text, or images.
- The chatbot, powered by a Large Language Model, analyzes user inputs and requests essential details like the **PNR number** and **email address**.
- Once collected, complaints are routed to the appropriate department and stored in **MongoDB** in a prioritized manner. The system continuously updates the complaint status and sends automated notifications to users regarding their resolution.
- Upon completion, users receive detailed **acknowledgment emails**, ensuring they are informed throughout the entire process.

WORK EXPERIENCE

Ztech10R Sys Pvt Ltd -   **Chennai,Tamil Nadu**
INTERN   *1st July 2024 - 14 July 2024*

- During this internship experience I have learned a lot about web development with a understanding of both front-end and back-end technologies.I have gained Familiarity with HTML, CSS and relevant web development frameworks and the ability to research and analyze industry trends and user experience data.
- I have also gained Strong organizational skills with the ability to manage multiple projects simultaneously.
- I Have also gained Excellent communication skills and a positive attitude towards teamwork.

RELEVANT EXPERIENCE

Volunteer activity: **Chennai,Tamil Nadu**
23rd April 2024

- I have volunteered for a hackathon organized by our College's C2C Team during a train journey from Trichy to Egmore on April 23, 2024. It was an incredible experience where I gained valuable insights and hands-on experience working alongside my friends and staff.