VEDALAKSHMI K

📞9941712432 ✉vedalakshmi04@gmail.com 💬vedalakshmi0404 💼vedalakshmi k

📍Chengalpattu,Tamilnadu

SUMMARY

To be a part of an organization that offers the opportunity to enhance my knowledge and skills in line with the latest technological trends, enabling me to contribute effectively to the growth of the organization

PROJECT EXPERIENCE

Multimodal Approach for Alzheimer's Diagnosis and Classification   **March 2025**

- Developed a CNN model for MRI, PET, and DTI scan analysis.
- Applied preprocessing, augmentation, evaluation, and classification using the ADNI dataset.
- Assessed model performance with confusion matrix and F1-score.

Smart Blind Stick   **August 2024**

- Developed an assistive device for visually impaired individuals using Arduino.
- Used ultrasonic sensors for obstacle detection and vibration feedback for alerts.

Secured data sharing in public cloud   **January 2023**

- Implemented AES encryption for secure data sharing in cloud storage.
- Developed a Java-based system with JSP, MySQL, and Tomcat backend.
- Ensured dynamic key generation for enhanced security.

INTERNSHIP

Machine learning with python in NSIC(National Small Scale industry)

- Learned basic ML concepts and practiced using libraries like NumPy and Pandas.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering   **Jun 2023 - Present**
Anna University - MIT Campus
CGPA - 7.1(till 6th semester)

Diploma in Computerscience Engineering   **Jun 2022 - May 2023**
SRM Valliammai polytechniq college
Percentage - 97

SSLC   **Jun 2007 - May 2020**
Sri Seshadri Matriculation Higher Secondary School
Percentage - 79

ADDITIONAL INFORMATION

- **Technical Skills:** Progrsmming languages(Python , C),Project Management, SQL.
- **Certifications:** AWS Academy Graduation-AWS Academy Cloud Foundation, Artificial intelligence from Infosys, Natural language processing from infosys
- **Awards/Activities:** Received a state 1st prize in technical writing. Zone level sports participation in Kho-kho and Throwball
- **Languages:** English, Tamil.
- **Hobbies:** Arts and crafts.