KS VIGNESH

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Education

JSS Academy Of Technical Education   **Dec. 2022 – Present**

Bachelor of Engineering in Artificial Intelligence and Machine Learning   *Bengaluru, Karnataka*

Relevant Coursework

- Data Structures
- Software Engineering
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Machine Learning
- Micro-controller and Embedded Systems
- Computer Networks
- Operating Systems

Projects

Image to Text Conversion Using OCR | *Python,OpenCV,Pillow,Tesseract OCR*   **Dec 2024**

- Convert text from images into editable formats accurately. .
- Preprocess images to improve OCR accuracy. .
- Allow direct image capture via smartphone for real-time processing. Support multiple languages for OCR. .
- OpenCV: For image preprocessing (grayscale, thresholding, scaling). Pillow (PIL): For handling image formats in the GUI. Tesseract OCR: For extracting text from processed images. .

Personal portfolio | *HTML,Css*   **Jan 2025**

- Designed and developed a **responsive personal portfolio website** using **HTML, CSS, and JavaScript** to showcase skills, education, and contact information. .
- Crafted a visually appealing UI with **custom CSS styling**, including layouts, buttons, and animations for modern web aesthetics.
- Implemented a **dynamic contact form** with JavaScript, including input validation and simulated message handling using `fetch()|`.
- Added **interactive features** such as smooth scrolling, scroll-triggered animations, and **copy-to-clipboard** functionality with toast notifications. .

Flask-based web application for disease prediction | *Flask, Python, ML}*   **March 2025**

- Developed a **Flask-based web application** for disease prediction using machine learning models trained on symptom data with user authentication system.
- Implemented **user registration and login functionality** with session management and CSV-based data storage for user credentials and prediction history.
- Integrated **pre-trained ML model** using joblib with text vectorization to process user symptoms and predict diseases with real-time results display.
- Built **responsive dashboard interface** with prediction forms, personal records viewing, and secure logout functionality for comprehensive user experience.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, AWS,GitHub,TensorFlow,MongoDB,PowerBI
Technologies/Frameworks: Linux, , GitHub, WordPress,Google Scolar

Certification

JSS Navotthana (24-hour Hackathon)
CODEATHON conducted by Phase Shift 2024 held at BMSCE
AWS Serverless: Sync, Scale, Succeed conducted by Phase Shift 2024 held at BMSCE

Leadership / Extracurricular

ART-HOUSE   **Spring 2023 – Present**

Photo/Video editor   *JSSATE*

- ∗ Been editing posters/photos for our college fest "VERVE" .
- ∗ Semi-Pro in PhotoShop,Ilustrator,PremierPro,Davinci. .

AIKYAM   **Spring 2025 – Present**

Member   *JSSATE*

- · Aikyam is our AIML Branch Fest .
- · Our team organized one of the biggest Hackathon in our college with over 90 teams and 400+ participants .