KAMESHRAJA K

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OBJECTIVE

Passionate CSE student with full-stack, AWS deployment, and AI/ML expertise, committed to building solutions that create meaningful real-world impact.

SKILLS

PROGRAMMING: Python, JavaScript, C
FULL-STACK: React.js, Node.js, HTML, CSS
CLOUD/DEVOPS: AWS, Docker, Kubernetes
DATABASES: MySQL, MongoDB
TOOLS: Figma, Git, GitHub
AI/ML: TensorFlow, Scikit-learn, OpenCV
SOFT SKILLS: Communication, Problem-Solving, Teamwork

PROJECTS

AI-Powered Pneumonia Classifier
Description:
Designed a CNN model using TensorFlow to classify pneumonia from chest X-ray images with 94% accuracy.
Applied image preprocessing and data augmentation using OpenCV to enhance prediction performance.
Tech Stack: TensorFlow, Keras, Python, OpenCV, Flask, Docker, AWS (EC2/S3), NumPy, Pandas, Matplotlib.

Farm Sage
Description:
AI-Powered AgriTech platform: Flask + Firebase full-stack app with CNN disease detection, crop recommendation, yield prediction via TensorFlow/scikit-learn; modular ML pipeline + HTML/CSS/JS UI — drives 10–15% higher farmer profits via real-time insights**.**
Tech Stack: Flask, Firebase, TensorFlow, scikit-learn, pandas, Git

EXPERIENCE

Web Development Intern | OneYes InfoTech Solution   **APR 2025 - MAY 2025**

- Developed a responsive web platform to monitor and manage municipal waste collection operations.
- Implemented real-time waste tracking using Node.js and MongoDB, enabling automated status updates.
- Improved waste tracking efficiency and reduced route planning time by 20% through optimized backend algorithms.
- **Tech Stack**: HTML, CSS, JavaScript, Node.js, MongoDB, Git/GitHub

Web Developer| Intel Unnati industrial program   **MAY 2024 - JULY 2024**

- Developed a dynamic web platform that integrates essential public services into a single accessible interface.
- Built responsive and user-friendly UI with secure authentication and role-based authorization.
- Implemented scalable backend architecture with efficient service access and data management.
- **Tech Stack**: HTML, CSS, JavaScript, Node.js, MongoDB, Git & GitHub

EDUCATION

Bachelor of Engineering in Computer Science   **2022-2026**

V.R.S. College of Engineering and Technology Villupuram ‖ CGPA: 8.1

Higher Secondary School ‖ Sri Sarada Vidyalaya Matric Higher Secondary School, Ulundurpet   **2020-2022**

CERTIFICATIONS & ACHIEVEMENTS

- Check My Freelance Projects Live on my site Aether Projects.
- Participated in Smart India Hackathon 2025, showcasing problem solving and innovation in tech.
- Developed secure, scalable web platform for public services; implemented auth + responsive frontend — earned Intel completion certificate.