

VIGNESH

Full Stack Developer

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OBJECTIVE

Final-year Computer Science Engineering student specializing in Full Stack Development and AI/ML. Experienced in building scalable web applications, cloud-hosted platforms, and AI-powered systems. Proficient in Python, C++, Java, Flask, React, TensorFlow/Keras, and SQL. Passionate about creating secure, user-friendly, and high-performance applications that deliver real-world impact.

TECHNICAL SKILLS

Languages: Python, C, C++, Java

Frontend: React.js, HTML5, CSS3, JavaScript

Databases: MySQL, MongoDB

AI/ML: TensorFlow, Keras, Scikit-learn, OpenCV

Tools & Platforms: Git, GitHub, Vercel, Render, Power BI

PROJECTS

SkinVision – AI-Powered Skin Cancer Detection

Feb 2025 - Present

- Developing a **hybrid transfer learning model** (VGG16, MobileNetV2, ResNet50) for accurate skin cancer detection.
- Working with **16,000+ labeled images** across six skin cancer categories.
- Building a **Flask-based web app** for interactive image upload and real-time predictions.

SecureWrite – Text Encryption & Decryption Web App

Aug 2025

- Developed a secure web application for live text encryption/decryption using a custom C++ algorithm.
- Built using Flask, HTML, CSS, JavaScript, deployed on Render.
- Enhanced security awareness and real-time usability.

MangoMediX – Mango Leaf Disease Prediction

Sep 2024 - Jan 2025

- Created an AI-powered web system to detect mango leaf diseases.
- Built with TensorFlow/Keras CNN model integrated into Flask app.
- Deployed on Hugging Face Spaces for real-time predictions.

Hostel Management System

Apr 2024 - Jul 2024

- Database-driven applications for managing records, CRUD operations.
- Built using PHP, MySQL, HTML, CSS, and JavaScript.

EDUCATION

B.E. in Computer Science and Engineering

Dec 2022 – Present

A J Institute of Engineering and Technology, Mangaluru | CGPA: 8.0

Pre – University college (PUC)

Jun 2020 - May 2022

Govt. Pre University College Byndoor | Percentage: 82%

ADDITIONAL INFORMATION

Certifications: Microsoft Applied AI, Machine Learning Essentials, Explore ML with Python, Database and SQL, Basics of Python, AI and ML Training Course, PowerBI Workshop.

Languages: English, Kannada, Hindi