

# 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, PostgreSQL  
AI/ML: TensorFlow, Keras, Scikit-learn, OpenCV  
Tools & Platforms: Git, GitHub, Vercel, Render, VS Code, SupaBase

### 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.

#### Connectify – Event-Based Job Hiring Platform Jul 2025 – Sep 2025

- Developed a full-stack platform using **Next.js, Supabase, and TailwindCSS**.
- Created **role-based dashboards** for Admin, Employer, and Worker.
- Integrated **authentication, PostgreSQL database, and feedback system**.

#### 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.

### 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 (PCMB) 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