Vighnesh JK

Full Stack Developer — AI Engineer (Fresher)

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Professional Summary

Entry-level Full Stack Developer and AI Engineer with strong hands-on experience in Python, Django, FastAPI, React, and Machine Learning frameworks. Experienced in developing AI-driven applications, RESTful APIs, and scalable backend systems. Actively working on real-world AI projects and seeking a fresher role to contribute to impactful software solutions.

Technical Skills

Programming Languages: Python, JavaScript, SQL
AI / Machine Learning: TensorFlow, PyTorch, MediaPipe, NumPy, Pandas
Frontend Technologies: HTML, CSS, React, React Native, Tailwind CSS
Backend Technologies: Django, Flask, FastAPI, RESTful APIs
Databases: MySQL, PostgreSQL, MongoDB
Tools & Platforms: Git, GitHub, Docker (Basic), Postman, VS Code
Operating Systems: Linux, Windows

Projects

Doctor AI – Intelligent Medical Assistant (Ongoing)
- Developing an AI-powered medical assistant for symptom-based analysis and prediction.
- Implementing machine learning models for response generation and decision support.
- Building a scalable backend using FastAPI with modular architecture.

Sign Language Detection System (Ongoing)
- Developing a real-time sign language recognition system using MediaPipe.
- Processing hand landmarks and gesture data for classification.
- Focused on improving accessibility through AI-based communication tools.

Guava Disease Detection – Team Project (Completed)
- Built an AI model to detect diseases from guava leaf images.
- Performed data preprocessing, training, and evaluation using Python.
- Collaborated in a team to deliver a functional machine learning solution.

BookHive – Online Book Platform
- Developed a cross-platform mobile application using React Native.
- Designed backend services using FastAPI for user and book management.
- Implemented REST APIs and database integration.

Rydex – Premium Car Rental and Taxi Booking System
- Built a full stack web application using React and Django.
- Implemented booking workflows, authentication, and admin dashboards.
- Designed responsive UI and scalable backend logic.

To-Do Task Management Application
- Developed a task management system using React and Flask.
- Implemented CRUD operations and API-based state handling.
- Focused on clean UI and efficient backend performance.

Internship

Full Stack Developer Intern – SMEC Labs   6 Months
- Developed full stack web applications using Django and frontend technologies.
- Designed and implemented RESTful APIs with database integration.
- Collaborated with team members to build, test, and deploy features.

Education

Bachelor of Computer Applications (BCA)   2022 – 2025
STAS College, Pullarikunnu

Higher Secondary Education 2020 – 2022
Govt HSS, Kudamaloor

Secondary Education 2019 – 2020
MT S School, Kottayam

Certifications

- Full Stack Web Development Certification

Soft Skills

Problem Solving, Analytical Thinking, Team Collaboration, Communication, Adaptability, Time Management