SABARI THIRUNAVUKKARASU

AI / GenAI Developer | Python • Django • LLMs & Computer Vision

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PROFILE SUMMARY

AI/ML enthusiast and fresh graduate with hands-on experience building GenAI-powered applications, integrating large language models (Claude, ChatGPT) into real-world products across healthcare, safety, and transport. Skilled in Python, prompt engineering, and ML model integration, with practical exposure to computer vision and predictive analytics. Eager to apply and deepen expertise in frameworks like LangChain, LlamaIndex, and Hugging Face, and contribute to cutting-edge Generative AI products in a collaborative engineering environment.

TECHNICAL SKILLS

GenAI / NLP: LLM Integration (Claude, ChatGPT), Prompt Engineering, familiar with LangChain, LlamaIndex and Hugging Face concepts (self-learning)

AI Tools: Claude (Anthropic), ChatGPT, AI Workflow Automation

Backend: Python, Django, REST APIs, MySQL, PHP, Git

AI / ML: Computer Vision, ML Model Integration, Medical Image Analysis, Detection Systems

Frontend: HTML5, CSS3, JavaScript, Figma, Responsive UI

PROFESSIONAL EXPERIENCE

Python AI/ML Developer | JLA Tech Service

- Built AI-powered management and automation systems using Python Django, integrating Claude and ChatGPT for intelligent workflow automation.
- Developed predictive analytics tools delivering data-driven forecasts and business intelligence from structured inputs.
- Managed end-to-end development — requirement gathering, AI integration, backend engineering, testing, and deployment.

AI Full Stack Developer | Freelance

- Developed and deployed full-stack web applications and AI-powered chatbots using Python Django, HTML/CSS/JavaScript, and MySQL.
- Built detection and prediction web apps with computer vision and ML models for healthcare, public safety, and transport domains.

PROJECTS

AI Chatbots

Medical Chatbot — *Python Django · Claude · MySQL*

- AI health assistant for symptom checks and medical Q&A; designed prompts guiding Claude to deliver context-aware conversational responses.

Railway Enquiry Chatbot — *Python Django · ChatGPT · REST APIs*

- Intelligent chatbot for Indian Railway — PNR status, live schedules, and booking help powered by ChatGPT prompt flows.

Detection & Prediction Systems

Accident Detection System — *Computer Vision · Django*

- Real-time road accident detection — AI/ML models alert authorities and auto-log incident data via Django backend.

Smoking Detection System — *Computer Vision · Django*

- Detects smoking in restricted zones using computer vision and triggers instant alert notifications.

Ulcer Detection Tool — *Medical Imaging AI · Django*

- Medical image analysis platform for early-stage ulcer detection, supporting clinical decisions with AI predictions.

UI/UX Design

- Evento (Event Booking App) • Neobrew (Craft Coffee E-Commerce) • MindfulTech (Mental Health Platform) — Figma wireframes & high-fidelity prototypes.

EDUCATION & CERTIFICATIONS

B.Sc Computer Science | Bharathidasan University 2021 – 2024

GPA: 8.2 / 10

UI/UX Design Course | Fortune Innovatives 2024 – 2025

Certifications: Website Evaluation Workshop (Dec 2024) • Branding Workshop (Jan 2024) • Digital Marketing Workshop (Feb 2025)