

Habib Nidal

Python Full Stack Developer | Data Analyst | Generative AI Developer

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[Portfolio](#)

Summary

Full Stack Python Developer | Generative AI Developer | Data Analyst skilled in building scalable web applications, AI-powered solutions, and data-driven dashboards. Experienced with Python, Flask, Django, SQL, Power BI, and frontend technologies, with expertise in Hugging Face APIs, NLP, translation systems, and end-to-end backend integration.

Technical skills

Languages: Python (Advanced, OOP), JavaScript, SQL, Oracle SQL

Frameworks & Libraries: Django, FastAPI, Bootstrap, Pandas, NumPy, Matplotlib, Seaborn

Frontend: HTML5, CSS3, JavaScript, Figma, Canva

Backend: CRUD operations, template rendering, form handling, authentication, database integration, SDLC

Databases: SQL, Oracle SQL (Joins, Subqueries, CRUD), MySQL Workbench

Data Analytics & BI Tools: Power BI, DAX, Excel, Power Query

Excel Skills: VLOOKUP, HLOOKUP, Pivot Tables, Functions, Power Query

DevOps & Deployment: Git, GitHub, Render, Vercel, Netlify, Cloudinary, Version Control Tools

AI Skills: Generative AI, Prompt Engineering, LLM Integration (HuggingFace), Multilingual AI Systems, Conversational AI Design, Text-to-Speech (gTTS)

Soft Skills

Analytical Thinking, Problem Solving, Team Collaboration, Leadership, Presentation, Adaptability

Projects

FoodHub – Online Food Ordering Web Application (2025-2026) — [GitHub](#)

Tech: Django, Python, HTML, CSS, Bootstrap, SQLite, PostgreSQL, Cloudinary, Render

Developed a complete full-stack food ordering web application enabling users to browse restaurants, manage carts, and place orders. Implemented role-based authentication for Customers, Vendors, and Admins with secure order processing. Designed the database schema using Django ORM with SQLite (development) and PostgreSQL (production). Integrated Cloudinary for cloud-based image storage and deployed the application on Render for smooth live access. [LiveDemo](#)

Medical Data Analysis & Visualization Dashboard (2025-2026) — [GitHub](#)

Tech: Python, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Streamlit, Streamlit Cloud

Built an end-to-end data analysis project by sourcing and consolidating public health data from government and global organizations. Analyzed trends in mortality, disease categories, health risk factors, and environmental indicators using Python. Developed an interactive Streamlit dashboard with Plotly visualizations and deployed it on Streamlit Cloud via GitHub. [LiveDemo](#)

Emotional AI Assistant (2026) — [GitHub](#)

Tech: Python, FastAPI, HuggingFace API, Generative AI, Prompt Engineering, gTTS, HTML, CSS, JavaScript, Render, Vercel

Built a multilingual emotion-aware conversational AI assistant generating context-sensitive responses in English and Malayalam using LLM API integration. Designed structured prompt engineering for empathetic, human-like conversations based on user-selected emotional categories. Integrated real-time text-to-speech for voice output and developed a dynamic animated frontend interface. Built and deployed the backend with FastAPI on Render and hosted the frontend on Vercel, delivering a fully functional production-ready AI web application. [LiveDemo](#)

Education

B.Tech in Computer Science and Engineering - College of Engineering Trikaripur | 2021-2025

CGPA: 6.71 Percentage: 67%

Higher Secondary (Class 12) - St. Michaels AIHSS, Kannur | 2020-2021

Percentage: 90%

SSLC (Class 10) -St. Michaels AIHSS, Kannur | 2019

Percentage: 100%

Training & Certifications

Python Full Stack with Data Analytics - PySpiders, Bangalore (2025–2026)

Young Innovators Program (YIP 7.0) -District Level Winner Awarded for the Wearable Emergency Alert System