

NAGARAJ S

Python Full Stack Developer | AI/ML Engineer | Django & Flask Developer

Phone: [7483969076](tel:7483969076) Gmail: nagarajag7483@gmail.com LinkedIn: [Nagaraj LinkedIn](#) GitHub: [Nagaraj S](#) Website: [Portfolio](#)

SUMMARY:

Enthusiastic Computer Science Engineering Graduate (B.E., 2021-2025) with a 7.8 CGPA/78% aggregate. Hands-on experience in **Python Full stack Development** and **AI-ML Engineering** through internships at **Pentagon Space** and **Skill India Digital**. Skilled in building data-driven applications using **Django, Flask, and MySQL**. Proven ability to develop innovative solutions, such as a **voice-enabled crop disease detection system**, while demonstrating strong analytical and teamwork skills.

SKILLS:

Languages: Python, JavaScript, HTML5, CSS3, SQL

Frameworks: Django, Flask, React, Bootstrap

Databases: MySQL, PostgreSQL

Tools: Git, GitHub, REST APIs, Postman, Vercel, Render

AI/ML: NumPy, Pandas, Scikit-learn, TensorFlow

EXPERIENCE:

Python Full stack Developer Intern

Pentagon Space | June 2025 – Dec 2025

- **Full stack Development:** Developed full-stack web applications using **Python (Django/Flask)** for the backend and **JavaScript** for the frontend.
- **API Design:** Designed, developed, and integrated REST APIs to ensure seamless communication between the client-side and server-side components.
- **Database Management:** Designed relational database schemas and managed data persistence using **MySQL**, optimizing query performance.
- **Frontend UI:** Built responsive frontend interfaces, user-centric interfaces with **HTML5, CSS3, and Bootstrap**, ensuring cross-browser compatibility.

Machine Learning Engineer Intern

Skill India Digital | Oct 2024 – May 2025

- Built and optimized machine learning models using **Linear Regression, K-Means, and Decision Trees** to solve data-driven problems.
- Performed data preprocessing and exploratory data analysis (EDA) using **Pandas and NumPy**, improving data accuracy and model performance.
- Implemented supervised and unsupervised ML algorithms to generate actionable insights from structured data.

Web Developer Intern

Dotch Endeavours Pvt. Ltd | Oct 2023 – Nov 2023

- Developed responsive web pages using HTML, CSS, and JavaScript, improving UI consistency across devices.
- Collaborated on frontend features, enhancing usability and performance of web applications.

PROJECTS:

Kisan Mitra - Voice-Enabled Leaf Disease Detection Full Stack Web Application

Tech Stack: Flask, JavaScript, Speech Recognition API, Machine Learning

- Identified the challenge of limited tech accessibility for farmers and Developed an AI-powered crop disease detection system.
- Developed a multilingual interface (**English & Kannada**) to improve usability for non-technical users.
- Integrated machine learning models using Flask APIs to detect crop diseases, enabling faster and more accurate decision-making.

AI Agent with Memory

Tech Stack: React, Django, PostgreSQL, REST API, Groq API

- Designed and developed a **full-stack AI-powered chatbot with conversational memory** for personalized interactions.
- Integrated LLM APIs and third-party APIs to deliver dynamic and real-time responses.
- Implemented user-specific memory storage using **PostgreSQL**, improving contextual response accuracy.
- Deployed backend on Render and frontend on Vercel, ensuring production-ready scalability.

GitHub: https://github.com/Nagrajnagas/AI_AGENT Website Link: [Ai Agent App](#)

EDUCATION:

Bachelor of Engineering (Computer Science)

Vivekananda Institute of Technology, Bangalore | 2021 – 2025

CGPA – 7.83

Pre-University (PUC)

DVS Composite PU College, Shimoga | 2019 – 2021

Percentage: 79%

CERTIFICATIONS:

AI-ML Engineering Certification – Skill India Digital (2025).

Python Full stack Development Certification – Pentagon Space (2025).