

GUNALAKSHMANAN M

Python Full Stack Developer (Fresher)

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Portfolio : <https://my-websites01.netlify.app>
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PROFESSIONAL SUMMARY

Motivated Python Full Stack Developer with over 6 months of practical internship experience in designing, developing, and deploying web applications using the Django framework. Skilled in Python, Django, front-end technologies (JavaScript, HTML, CSS, Bootstrap), and database management (SQLite, PostgreSQL, SQL Server). Experienced in implementing AI-driven functionalities, including Retrieval-Augmented Generation (RAG) systems, and integrating advanced libraries like Three.js for interactive data visualization. Seeking a challenging entry-level role as a Django Full Stack Developer to contribute technical expertise and innovative solutions within a dynamic development team.

TECHNICAL SKILLS

Programming Languages : Python, JavaScript (ES6+), C#, SQL, HTML5, CSS3
Backend Frameworks : Flask, Django (Familiar), ASP.NET
Frontend Frameworks : Bootstrap 5, Three.js, GSAP, Jinja2 Templating
Databases : SQLite, Microsoft SQL Server, MongoDB (NoSQL)
AI/ML/Data : OpenAI API, RAG Implementation, FAISS (Vector Search)
Tools & Version Control : Git, GitHub, VS Code, Postman, Ngrok

PROFESSIONAL EXPERIENCE

PYTHON FULL STACK DEVELOPER INTERN

Tamil Info Technology, Dindigul | May 2025 – Present

- Built and deployed modular web applications using Python and Flask with RESTful APIs.
- Developed a RAG-based AI system by combining OpenAI models with FAISS for context-aware responses.
- Created fully responsive UIs with Bootstrap 5, HTML5, and CSS3.
- Implemented interactive 3D visualizations and animations using Three.js and GSAP.
- Designed and managed SQLite database schemas for user sessions and history, collaborating in an Agile team with Git/GitHub.

KEY PROJECTS

HIDAN AI - INTELLIGENT CONVERSATIONAL PLATFORM [link](#)

Python, Django, OpenAI API, RAG, Three.js, SQLite

- Developed a full-stack AI platform that delivers intelligent conversational assistance grounded in technical documentation, effectively minimizing AI hallucinations.
- Built the backend using Django to manage API requests, user sessions, and perform vector-based searches across a structured document corpus.
- Designed an immersive and interactive user interface integrating Three.js to visualize the AI's real-time processing state in a 3D environment..

CHAT ME – MULTI-FEATURED MOBILE APPLICATION [link](#)

C#, Xamarin, Visual Studio, 'SERP API', Asynchronous Programming

- Designed and developed “Chat Me”, a feature-rich mobile application integrating messaging, music playback, and chatbot functionalities
- Implemented real-time chat capability supporting both individual and group conversations using asynchronous programming and persistent storage.
- Developed an integrated music player with MP3 playback, song search, and playlist management for a smooth and user-friendly experience.
- Integrated a rule-based chatbot powered by the ‘SERP API’ key to interpret user queries and generate contextually relevant responses, improving engagement and conversational quality.

More projects  <https://my-websites01.netlify.app/pcards>

EDUCATION

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY NPR
Arts & Science College, Dindigul | August 2022 – April 2025 CGPA: 6.9

CERTIFICATIONS

- Oracle Certified in Database Management System: Proficient in SQL (CRUD operations) and relational database design.
- MongoDB Data Management: Knowledgeable in NoSQL database concepts and nonrelational data handling.