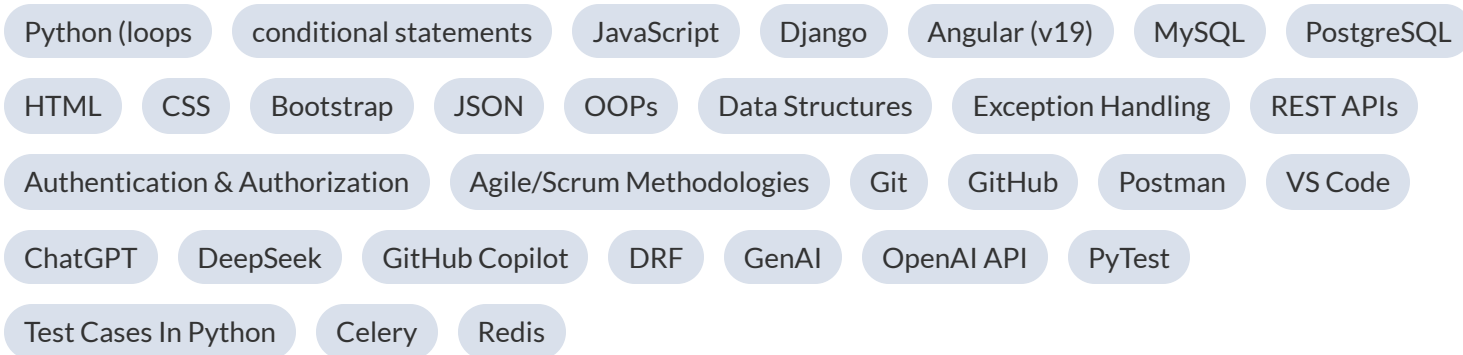# Nadupalle Sai Ganesh

✉ gmail@gmail.com

Python Full Stack Developer with hands-on experience in Django, REST APIs, Angular, and unit testing. Experienced in building Generative AI applications and Python Full Stack projects. Recently developed a production-ready Gen AI Story Teller chatbot and other full-stack projects with pytest test suites.

SKILLS

Python (loops · conditional statements · JavaScript · Django · Angular (v19) · MySQL · PostgreSQL · HTML · CSS · Bootstrap · JSON · OOPs · Data Structures · Exception Handling · REST APIs · Authentication & Authorization · Agile/Scrum Methodologies · Git · GitHub · Postman · VS Code · ChatGPT · DeepSeek · GitHub Copilot · DRF · GenAI · OpenAI API · PyTest · Test Cases In Python · Celery · Redis

EDUCATION

Bachelor of Technology   *2022*
Kg Reddy College of Engineering and Technology Hyderabad   *Hyderabad*

EXPERIENCE

Intern – Python Full Stack Developer   *Mar 2024 - Sep 2024*
Aptsol Global Tech   *Hyderabad*

Project 1: Hospital Management System (HMS)

- Developed a full-stack CRUD application using Django (Backend) and MySQL (Database).
- Designed responsive frontend interfaces using HTML, CSS, JavaScript, and Bootstrap 5.
- Implemented Admin Login & Signup with secure authentication and session management.

- Built an Admin Dashboard to: Add, edit, and delete doctor details & View all doctors with sorting/filtering by specialty
- Integrated image enlargement on click for doctor profile pictures.
- Ensured a mobile-friendly UI using Bootstrap components.

Project 2: Student Assessment & Progress Tracking System

- Developed RESTful APIs using Django and PostgreSQL to manage students, assessments, and progress reports.
- Implemented JWT-based authentication and role-based access control (Admin, Teacher).
- Designed database schema and models for users, student profiles, and assessments.
- Ensured clean modular architecture with separation of concerns.
- Tested and validated APIs using Postman.
- Built Angular 19 components for Login/Signup, Student List & Details, Assessment Management, and Progress Tracking.
- Integrated ng2-charts to visualize student performance with bar and line charts.
- Developed responsive UI using Angular Material & Bootstrap.
- Ensured seamless integration with Django REST APIs.

PROJECTS

Gen AI Story Teller (Generative AI Chatbot) — Personal / Portfolio

- Developed a story-generation chatbot that accepts user prompts and returns coherent, context-aware stories.

- Integrated with a generative AI model via API (API key stored securely in .env). Implemented response handling, conversation context retention, and rate/credit awareness for usage limits.

- Built a simple frontend/console interface for user interaction and included code for handling insufficient quota and API permissions gracefully.

Technologies: Python, Open AI API (or compatible), Django/Flask (backend integration), JavaScript (frontend/console UI).

Parking Toll Management System — Python (OOP) with Unit Tests

- Designed Vehicle and ParkingLot classes implementing zone-based pricing (Regular, VIP, Handicapped), peak/off-peak multipliers, and monthly subscriptions.

- Implemented robust fee calculation logic and a demo script showcasing real-world scenarios.

- Wrote comprehensive pytest test suites covering fee calculation, subscriptions, and error handling.

Technologies: Python, PyTest

Student Progress Tracking System (SPTS) — Python Full Stack with Angular 19

- Developed backend RESTful APIs with Django + PostgreSQL to manage students, assessments, and progress reports.

- Implemented JWT authentication and role-based access control (Admin, Teacher).

- Built Angular 19 frontend components for Login/Signup, Student List & Details, Assessment Management, and Progress Tracking.

- Integrated ng2-charts for performance visualization; responsive UI with Angular Material & Bootstrap.

GitHub:https://github.com/GaneshSharma9989/SPTS_BACKEND
GitHub:https://github.com/GaneshSharma9989/Teacher-Auth-App

Technologies: Python, Django, PostgreSQL, Angular 19, ng2-charts, Angular Material, Bootstrap

Hospital Management System — Python Full Stack with JavaScript

- Developed full-stack CRUD app using Django backend + MySQL database.

- Implemented Admin Login & Signup with secure authentication and session management.

- Admin Dashboard for adding/editing/deleting doctor details, sorting/filtering, and image enlargement on profile pics.

- Responsive frontend UI with HTML, CSS, JavaScript, and Bootstrap 5.

GitHub:https://github.com/GaneshSharma9989/HMSDoctor

Technologies: Python, Django, MySQL, JavaScript, HTML, CSS, Bootstrap 5

EXTRA CURRICULAR

- Implemented unit tests using pytest for Projects(Parking Toll System) to ensure correctness of core logic and business rules.

- Familiar with integrating environment-based secrets (API keys) and basic credit/usage flow for third-party APIs.

LANGUAGE

English (Fluent)　　Telugu (Fluent)　　Hindi (Fluent)

CONTACT

For inquiries, please reach out via my portfolio contact form