JITHIN A M

Python Developer

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PROFILE

Aspiring IT professional with a strong focus on Python and hands-on experience in Python development and web technologies. Proficient in building Django web applications and skilled in Linux system usage and security best practices. Passionate about automation, system optimization, and backend development. Committed to enhancing security, scalability, and performance through continuous learning and practical implementation

PROFESSIONAL EXPERIENCE

Python Developer Intern   Oct 2024 – Apr 2025
RubricEdge Solutions Pvt Ltd. ⧉   Coimbatore

- Developing and maintaining Django web applications and managing MySQL databases.
- Performed web scraping and data extraction from a single website using Python regex and libraries like requests and BeautifulSoup.
- Debugging, testing, and optimizing Python code while applying Git version control best practices.
- Configured a Linux server, enabling secure file sharing (Samba) and remote SSH access
- Deployed a private Django web app using Nginx, Gunicorn, and MySQL for internal use.

SKILLS

Programming & Scripting
- Python
- JavaScript
- Bash Scripting
- SQL

Operating Systems & System Administration
- Linux Administration
- Networking & Remote Acess: Samba, OpenSSH

Backend Development
- Django
- Django REST framework
- Flask

Frontend Development
- HTML
- CSS
- JavaScript

Database Management
- MySQL
- PostgreSQL
- SQLite

Development & Workflow Tools
- Docker
- Git & GitHub
- Vim
- Jupyter Notebook

Testing & Debugging
- pytest
- Postman

Version Control
- Git
- GitHub

PROJECTS

Recipe API ⧉
Built a robust, containerized Recipe API using Python, Django REST Framework, and PostgreSQL, with full CRUD functionality and integrated CI/CD pipeline

- Developed 18 REST endpoints for managing recipes, including authentication and filtering features.
- Documented the API using Swagger/OpenAPI for interactive testing and ease of integration.
- Containerized the application and database using Docker and managed services with Docker compose.
- Implemented CI/CD via GitHub Actions(checks.yml) to automate testing and linting workflows.
- wrote comprehensive unit tests with unittest and enforced clean code using flake8.

Tech Stack: Python, Django REST Framework, PostgreSQL, Docker, Docker Compose, Swagger, GitHub Actions, unittest, flake8

CalTracker ⧉

Built a web app for authenticated users to log meals and track daily calorie intake. Implemented user authentication with Django and designed a responsive UI using Bootstrap. Handled data storage and retrieval with Django models and views for personalized calorie tracking.

School Management System ⧉

The School Management System is a web-based application built using Django to streamline and automate the administration of a school. It provides role-based access for students, teachers, and administrators, enabling efficient management of academic and administrative tasks.

CERTIFICATES

- Python (Basic) Certificate, HackerRank ⧉

- Build a Data Analysis Library from Scratch in Python, Udemy ⧉

EDUCATION

Bachelor's Degree in Computer Science, Calicut University

Python Django - Full Stack Web Development,
Luminar TechnoLab