

HARRISH P T

Python Developer | Django Backend Developer

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Summary

Python Developer specializing in Django and backend development. Experienced in building scalable applications, optimizing database performance, and integrating RESTful APIs. Adept at bulk data processing, user authentication, and API development while following industry best practices to write clean, efficient, and maintainable code.

Skills

- Programming Languages:** Python.
- Web Frameworks:** Django, Django REST Framework, Flask.
- Databases & ORM:** MySQL, Django ORM.
- Version Control:** Git.
- Frontend & AJAX:** HTML, CSS, JavaScript, AJAX.
- Tools & Technologies:** GitHub, VS Code, PyCharm, Figma, Microsoft Office, Postman, Swagger, Celery (for background tasks), Pylint.

Experience

Minebea Intec India Private Limited. Bangalore, India.
I- Software Junior Design Engineer. 08/2024 – Present.

Project: Abnormal Matter Tracker Toolbox (RAISE, Control Document Apps)

- Executed bulk upload functionality for Excel file processing, automating data detection and insertion into the database, reducing data entry time by 60%.
- Applied role-based access control (RBAC), transitioning from an admin-only system to a user-level permission model, improving security and user flexibility by 50%.
- Planned and structured Django Microservices, successfully migrating the Control Document App to a REST-based Microservices architecture, boosting scalability by 35% and maintainability by 45%.
- Leveraged Python, Django, REST Framework, Celery for background tasks, and Pylint to maintain PEP8 compliance and ensure high-quality code with 30% fewer bugs.

Intern Software Designer 02/2024 - 08/2024

Project: Abnormal Matter Tracker Toolbox (CMS, RAISE, Control Document Apps)

- Contributed to developing and maintaining three core applications, enhancing functionality and user experience.
- Created a form progress tracking feature in CMS, improving usability and reducing user errors by 30%.
- Resolved critical bugs and optimized performance, reducing load time by 20%.
- Improved system efficiency by refining code based on best practices and eliminating redundancies.
- Gained hands-on experience with Python, Django, ORM, REST API, and SQLite by developing application features and implementing Class-Based Views (CBVs).

Projects

Little Lemon API || GitHub Bangalore, India.
12/2024 – 01/2025

- Engineered a RESTful API for a restaurant management system using Django REST Framework.
- Enforced authentication & authorization with JWT tokens to enhance data security.
- Designed database models for menu items, reservations, orders, and user roles using SQLite.
- Introduced custom permissions to control user access based on roles.

Linear Approximation Computational Complexity with Multivariant Correlation || GitHub Chennai, India.
12/2022 – 03/2023

- Built a carbon emissions calculator for households and industries, enhancing accuracy in footprint estimation.
- Developed modules for Home Emission, Industry Emission, Data Analysis, and Admin Management.
- Implemented backend logic to compute emissions based on fuel consumption, electricity usage, and transportation data.
- Applied data validation techniques using trained datasets to ensure accurate results.
- Integrated role-based access control (RBAC) for Admin, Data Analysts, and Users.

Virtual Learning Platform || GitHub Sivakasi, India.
12/2020 – 04/2021

- Designed a Flask-based e-learning platform to aid visually impaired students in learning programming languages.
- Implemented an audio-guided navigation system, enabling users to interact using shortcut keys.
- Developed a secure authentication system for personalized learning.
- Managed user data, exam scores, and lesson progress using MySQL.
- Created a text-to-speech module for auditory feedback on test questions and results.

Education

SRM Arts and Science College. Chengalpattu, India.
Master of Computer Applications || GPA: 8.4 / 10. 10/2021 - 06/2023.

Ayya Nadar Janaki Ammal College. Sivakasi, India.
Bachelor of Computer Science || GPA: 7.2 / 10. 07/2018 - 05/2021.

Certifications

Django RESTAPI – [\[Certification Link\]](#)

Django Web Framework – [\[Certification Link\]](#)

Programming in Python – [\[Certification Link\]](#)

Python & Django Framework – [\[Certification Link\]](#)

Flask – [\[Certification Link\]](#)

Python – [\[Certification Link\]](#)

Python for Data Science – [\[Certification Link\]](#)