Harrish P T

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github.com/PTHARRISH

Summary

Python Backend Developer with 1 year and 4 months of experience at **Minebea Intec**, where I developed and maintained Django-based enterprise tools for **MinebeaMitsumi**. Aiming to leverage my expertise in scalable APIs and secure backend systems using **Python** and **Django**.

Technical Skills

Languages: Python, HTML, CSS, JavaScript (basic)

Frameworks & APIs: Django, **Django REST Framework**, Flask

Databases & ORM: MySQL, SQLite, **Django ORM**

Tools & DevOps: Git, **GitHub**, **Celery**, **Postman**, Swagger, VS Code, **Pylint**, **Flake**

Frontend & Integration: HTML, CSS, AJAX

Experience

Software Junior Design Engineer   February 2024 – June 2025
Minebea Intec India Pvt. Ltd.   *Bangalore, India*
Project: Tiger Apps (RAISE, Control Document Apps)

- Implemented bulk Excel upload functionality to automate data validation and insertion, reducing manual entry time by **60%**.
- Integrated **role-based access control (RBAC)** to transition from a static admin model to dynamic user-level permissions, improving system flexibility and security by **50%**.
- Contributed to the migration of one application to a **REST-based microservices architecture** using Django, increasing scalability by **35%** and maintainability by **45%**.
- Utilized **Python**, **Django**, **Django REST Framework**, and **Celery** for background processing; enforced coding standards with **Pylint** for PEP8 compliance, reducing bugs by **30%**.

Projects

Little Lemon API   *Dec 2024 – Jan 2025*
github.com/PTHARRISH/LittleLemon   Bangalore, India

- **Context:** Coursera Capstone Project (Meta Backend Specialization).
- Created as part of my self-learning journey into **REST API development**. At work, I was involved in a microservice migration, so I built this API to explore key concepts independently.
- **Action:** Built a modular backend using **Django REST Framework**, added **JWT authentication**, and designed SQLite-based data models.
- **Result:** Strengthened backend knowledge with hands-on experience in secure RESTful architecture.

Linear Approximation Computational Complexity with Multivariant Correlation   *Dec 2022 – Mar 2023*
github.com/PTHARRISH/Carbon-emission   Chennai, India

- **Context:** Postgraduate (MCA) Major Project.
- Created in response to rising pollution levels in and around **Delhi**, this project helps estimate emissions from homes and industries and supports ideas for carbon reuse.
- **Action:** Built a dynamic **Python-based** emission calculator with logic modules, trained datasets, and **RBAC**-based user access control.
- **Result:** Delivered a backend system capable of estimating local environmental impact and supporting awareness-driven planning.

Virtual Learning Platform   *Dec 2020 – Apr 2021*
github.com/PTHARRISH/Virtual-Learning-Platform   Sivakasi, India

- **Context:** Undergraduate (B.Sc. CS) Major Project.
- During the COVID pandemic, many students struggled with navigating online classes. For visually impaired students, the difficulty was even greater this motivated me to build an accessible education platform.
- **Action:** Developed a **Flask-based** system with **text-to-speech**, keyboard shortcut navigation, and secure user tracking via **MySQL**.
- **Result:** Demonstrated inclusive backend design and strong understanding of accessibility-first architecture.

Education

SRM Arts and Science College   October 2021 – June 2023
Master of Computer Applications   Chengalpattu, India

Ayya Nadar Janaki Ammal College   July 2018 – May 2021
Bachelor of Computer Science   Sivakasi, India

Certifications

- **Django REST API** – Coursera || View Certificate
- **Django Web Framework** – Coursera || View Certificate
- **Programming in Python** – Coursera || View Certificate
- **Python & Django Framework Development** – Udemy || View Certificate
- **Flask Web Development** – GUVI || View Certificate
- **Python Programming** – GUVI || View Certificate
- **Python for Data Science** – Drive Link || View Certificate