Himanshu Rawat

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Summary

Results-driven back-end engineer with expertise in Python, Django, and cloud computing, specializing in API development and SaaS solutions. Skilled in the **Django REST Framework**, **Amazon S3** and **FastAPI**, designing scalable services, optimizing API performance, and managing cloud storage.

Education

Bharati Vidyapeeth's Institute of Computer Applications and Management *Sept 2023 – Present*
Master of Computer Applications

Delhi Technical Campus *Sept 2019 – May 2022*
Bachelor of Computer Applications

Training and Experience

Software Engineer Intern *Feb 2025 – Present*
BVICAM

- Developed a dynamic Sign-Up form using ASP.NET MVC handling user registration with form validation.
- Integrated file uploads (PDF Biodata) and validated inputs for secure and structured data collection.
- Optimized data storage and retrieval for user inputs using SQL Server and Entity Framework.

Data Science Trainee
Ducat *Nov 2022 – June 2023*

- Designed a Python and SQL-based application for data processing, optimizing query performance.
- Implemented machine learning models for predictive analysis using scikit-learn.
- Automated data extraction and preprocessing using Pandas and NumPy, streamlining ETL workflows.

Projects

SaaSify *Present*

- Designing a scalable back-end architecture, leveraging Django and Redis for high performance and real-time data handling.
- Integrating Neon Postgres for efficient database management, focusing on query optimization and scalability.
- Implementing modular and reusable components, ensuring flexibility for future SaaS applications

Attendance Tracker *GitHub*

- Optimized UI performance, reducing screen load times and ensuring smooth functionality across devices.
- Enhanced user experience, achieving a 95% satisfaction rate based on feedback.

Sorto Wiz *2024*

- Developed a Python sorting visualizer using object-oriented programming principles, encapsulating sorting algorithms within reusable classes. Inheritance was used for classes such as *SortingAlgorithm, BubbleSort*, and *QuickSort*, while polymorphism facilitated the selection of dynamic algorithms. Abstraction was implemented to reveal key methods, thus ensuring modularity and enabling real-time animation control.
- Tools used: Python, Pygame

Technologies

Languages: C++, Python, SQL

Technologies: Django, SQL Server, MySQL, AWS(EC2, S3)

Other: Object Oriented Programming, Operating System, Database and Management System