Rishu Kumar
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Junior Python Developer

Summary

Motivated and detail-oriented **Junior Python Developer** with hands-on experience in backend development, automation, and process optimization. Proficient in **Python**, **Django**, **Flask**, and modern web technologies. Known for strong problem-solving skills, clean coding practices, and a passion for developing scalable and efficient applications.

EDUCATION

Bachelor of Technology in Computer Science & Engineering from Radharaman Institute of Technology and Science, Bhopal - CGPA: 8.02   **2023**

CERTIFICATIONS & RECOGNITION

- Python Certification – Hacker Rank
- Java Certification – P-Infowiz, Bhopal
- Employee of the Month – For outstanding performance and contribution to project success at vTech Solution Inc.
- Best Coordinator Award (2023) – Radharaman Institute of Technology & Science, Bhopal

TECHNICAL SKILLS

- Languages: Python, Core Java, HTML, CSS, Tailwind CSS
- Frameworks & Libraries: Django, Flask, Selenium, Spring Boot (Basic)
- Databases: MySQL, PostgreSQL
- Tools: Git, Docker, REST APIs
- Concepts: OOP, Data Structures & Algorithms, Multithreading, JDBC, Exception Handling, Collections

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Professional Experience:

Esferasoft Solutions Pvt. Ltd., Mohali, Punjab   **Present**

Python Developer

Machine Shop – AI Chatbot Platform (Django, DRF, PostgreSQL)
- Developed backend for custom AI chatbots allowing users to create bots with unique names and upload PDFs for AI-based question answering.
- Built REST APIs to process PDFs, extract text, and generate accurate responses based on the uploaded document content.
- Used PostgreSQL to store chatbot data, uploaded documents, extracted text, and user conversation history.

AUD – User & Nurse Workflow System (Django, DRF, PostgreSQL)
- Designed and implemented a complete workflow where service bookings automatically send notifications to available nurses.
- Built backend logic for nurse task assignment, warehouse pickup process, user visit flow, and order completion.
- Implemented process tracking, nurse location updates, and status flow using Django ORM.
- Used PostgreSQL to store user details, nurse data, service requests, workflow progress, and task history.

JEF – AI Calling & Lead Management Platform (Django, Template Views, PostgreSQL)
- Developed template-based views to handle AI-powered automated calls with users and manage the call flow.
- Stored AI call summaries, lead information, phone details, and conversation logs in PostgreSQL.
- Built an admin dashboard to display all call conversations, lead details, and call insights for easy monitoring.
- Optimized database queries to improve dashboard data retrieval and system performance.

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- Developing and maintaining backend services using Python and Django.
- Enhancing automation solutions for clients such as Metrolinx (Canada) and Waste Management (US).
- Automated the manual timesheet process to improve efficiency and accuracy, reducing human error and saving time.
- Collaborating with teams to optimize internal tools and backend processes.
- Conducting data analysis and visualization using Pandas and Matplotlib for better insights and reporting.
- Improving performance of database queries in PostgreSQL.

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Python Developer Intern

- Assisted in writing automation scripts for backend operations.
- Contributed to initial development and testing of portal management tools.
- Participated in code reviews, debugging, and documentation tasks.
- Supported integration of REST APIs and database connectivity.

Projects: -

Automated Data Processing Tool (Python)

- Developed a Python script to automate data extraction, cleaning, and processing from multiple sources.
- Automated manual timesheet processes by building a tool to **extract data from PDF and Excel files** and upload it to client portals, significantly reducing human error and manual effort.

Company Resource Management System

Tech: Django, Python, PostgreSQL, Tailwind CSS, HTML

- Built a web-based system with multi-role dashboards for Super Admin, Admin (Manager), and Employee.
- Implemented secure login, role-based access control, and responsive UI using Tailwind CSS.
- Super Admin: Manage employees, departments, assets (CRUD)
- Admin: Approve/reject leave requests, manage team, view resources
- Employee: Submit leave requests, view profile, manage personal documents
- Dynamic tables with search & filter, file upload, and audit logging
- Backend powered by PostgreSQL + Django ORM; secure session management

Additional Information

- Strong communication, teamwork, and leadership abilities (evidenced by Best Coordinator Award)
- Quick learner with a passion for backend development and automation