

# Vinay Kumar Maurya

Python Developer

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## Professional Summary

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- I have 4+ years of professional IT experience, specializing in Python and Django.
- Extensive experience in developing and handling highly interactive web-based applications, especially using Python & Django.
- Skilled in backend development, project architecture design, and project deployments.
- Proficient in Django Rest Framework (DRF) and microservices architecture.
- Experienced in MongoDB, Docker, and containerization using Kubernetes.
- Strong background in integrating machine learning (ML) code with backend systems and serving through APIs.
- Proficient in API documentation and writing test cases.
- Recent involvement in generative AI projects, focusing on developing generative responses using streaming/non-streaming techniques and data training and updates.

### Skills

- **Languages:** Python
- **Web Frameworks:** Django, Django Rest Framework, Angular, AngularJS
- **Web Technologies:** HTML, CSS, JavaScript, jQuery, Bootstrap, Material Design
- **Databases:** MySQL, SQLite3, PostgreSQL, MongoDB
- **Tools/IDEs:** PyCharm, Visual Studio Code, Sublime Text, Airflow
- **Version Control:** Git, GitLab
- **Containerization:** Docker
- **Container Orchestration:** Kubernetes
- **API Development:** Django Rest Framework, API documentation
- **Testing:** Writing test cases
- **Deployment:** IIS (Windows), NGINX (Linux), Kubernetes

## Experience

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### Evalueserve Pvt Ltd

Sr Software Developer

09/2022 - Present

Django and Django Rest Framework. Project architecture design and implementation of microservices. Proficient in MongoDB, Docker, and Kubernetes for containerization. Integration of machine learning models with backend systems for serving through APIs. Expertise in API documentation and writing test cases. Leading role in generative AI projects, including developing generative responses and data training. Proficient in project deployments using IIS on Windows, NGINX on Linux, and Kubernetes.

### VVDN Technologies

Software Developer

08/2019 - 09/2022

- Software Developer, VVDN TechnologiesDeveloped and maintained backend systems for various projects. Specialized in backend development using Python and Django. Worked on project architecture design and implementation of microservices. Gained proficiency in Django Rest Framework (DRF) for building RESTful APIs. Contributed to the integration of machine learning (ML) code with backend systems. Assisted in project deployments and maintenance using Docker for containerization. Collaborated with cross-functional teams to deliver high-quality software solutions. Participated in code reviews, testing, and debugging to ensure software reliability and performance. Engaged in continuous learning and skill development to stay updated with the latest technologies and industry trends.

## Projects

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## Project 1

GAIBoT

- **Description:**

Crafted GAIBoT, a cutting-edge generative AI system that delivers dynamic responses tailored to user input. Leveraging advanced machine learning techniques, GAIBoT adapts and evolves its responses based on user interactions. Its robust architecture supports multi-tenancy, granting diverse users or organizations the flexibility to customize their own instances.

- **Responsibilities:**

Spearheaded backend development initiatives as a Senior Backend Developer, overseeing all aspects of backend operations. Engineered RESTful APIs to seamlessly connect the frontend interface with the powerhouse AI engine. Orchestrated the integration of machine learning algorithms into the backend infrastructure, empowering GAIBoT to generate contextually relevant responses on-the-fly. Implemented stringent authentication protocols to fortify access control and safeguard user data.

Pioneered the development of stream-based response generation features, enabling users to receive instantaneous, real-time feedback during interactions. Architected functionalities for continuous data training and updates, fostering the perpetual enhancement and refinement of the AI model.

- **Technologies/Framework:**

Python, Django, Django Rest Framework, Machine Learning, Authentication, Multi-Tenancy, API Development

## Project 2

Human Resource Management System (HRMS)

- The application is developed for the management of employee data and the joining process.
- It has Talent Acquisition(TA) module for shortlisting of candidate profiles and giving offers.
- OnBoarding module onboards the offered candidate into organization, Employee Salary module for managing salary of the employees.
- Dashboard for getting reports for different modules.
- Import module to import bulk data on the tool.

## Project 3

VVDN Appraisal Recognition Dashboard (VARD)

- The application is developed for conducting the appraisal process smoothly.
- Employees fill the form sharing his/her contribution in the development of the organization, respective reporting manager(RM) reviews against those contributions and give his/her feedback.
- Dashboard implemented for getting the reports.

## Project 4

Nexus

- The application is developed for managing travel, reimbursement and courier requests.
- Its web and mobile app.
- Here employee can raise their requests and RM will approve/deny those requests and then the admin will process the raised ticket.
- Rest API is created for the mobile app.

## Education

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- Bachelor of Technology (Computer Science & Engineering), ABES Engineering College, Ghaziabad, UP, 2019 CGPA: 69.76%
- Intermediate (CBSE), Harihar Singh Academy, 2015 Percentage: 81%
- Matriculation (CBSE), ST. Joseph School, 2013 Percentage: 9.4