Bhanu upreti
Phone: (+91)9258178812 | Email: upretibhanu4@gmail.com
LinkedIn: www.linkedin.com/in/bhanu-upreti-2042521b3

Summary

Python Developer with 2.5 years of experience in **backend development**, **object-oriented programming (OOP)**, **AI/ML** and database-driven applications. Skilled in **Python, Django**, **Flask, Rest API**, **PostgreSQL**, and **MySQL**, with hands-on experience in c**oding, testing, debugging**.

Technical Skills

- **Programming Languages & Framework/Libraries:** Python, Django, Django Rest Framework, Generative AI, Retrieval-Augmented Generation (RAG), Machine learning(Basic), Natural language processing(NLP), Deep learning, Hugging Face, Langchain, Vector DB.
- **Front-end technologies:** HTML5, CSS3, Bootstrap, Javascript, jquery, Ajax.
- **Databases:** MySQL, PostgreSql.
- **Deployment and virtualization:** Docker, Gunicorn, Nginx, Git, Gitlab, AWS EC2, AWS Lambda.

Work Experience

Company - Simprosys Infomedia

Python developer   *April 2023 – Present*
Project name - **Central and Partnership Application**
   Technology used - Django, ORM, PostgreSql, AWS, HTML5, CSS3, Javascript, Jquery, Ajax.
- Developed a **centralized partnership application** to streamline resource management, supporting multi-admin panel control and **real-time application performance tracking.**
- Developed and deployed a cross-selling algorithm along with RESTful APIs for products retargeting, contributing to a **30% boost in revenue.**
- Utilized **Django REST APIs** to securely fetch data from diverse applications and used multiple postgresql schemas.
- Implemented **AES** (Advanced Encryption Standard) to encrypt API keys, enhancing data security by **20%**. Integrated third-party libraries (Chart.js, Django all-auth, Django-toolkit) to improve system functionality. Utilized cron jobs to automate recurring tasks, increasing operational efficiency by **50%**.
- Containerized applications with **Docker** and deployed using **NGINX** and **Gunicorn**, improving scalability and deployment efficiency.
- Implemented granular role and permission modules to restrict user access based on specific roles. Implemented **Google reCAPTCHA** to enhance security measures, mitigating against automated bot attacks and ensuring robust protection for web applications.

Project name - **Cafeteria Reservation & Management System**
   Technology used - Django, ORM, PostgreSql, AWS, HTML5, CSS3, Javascript, Jquery, Ajax.
- Designed and developed a **meal booking system** with modules for **menu management, inventory tracking, food waste reduction and meal booking.**
- Utilized **Google Calendar API** to manage meal booking recurring events and integrate **Onesignal web push notification** API to **notify** users.
- Enabled users to **pre-book meals for a week**, supporting **normal and Jain meal options**, with a **daily and quarterly feedback feature**.
- Implemented a **swap and cancel feature** using a **first-come, first-serve (FCFS) approach**, allowing users to **exchange meals with others who cancel their bookings**.
- Developed a **manager meal plan module** to **track meal usage, generate reports, and optimize food management**, **reducing food wastage** and improving efficiency.
- Built a **feedback module** to collect user insights, enhancing the **quality of canteen services.**

Company - Amcoderz infotech
  Freelancer
 Project name - <u>**AlmaHealth**</u>
    Technology used - Django, PostgreSql, Javascript, Jquery, Ajax
- Developed a healthcare dashboard for doctors, enabling efficient patient prioritization (e.g., emergencies) and providing direct chat support with individual patients.
- Implemented a client dashboard to manage doctors, patients, and nurses, with analytical tools to track and analyze patient data by disease and date range.

Personal Project
1-> Project name - **AI RAG ChatBot**.
    Technology used - Python, Langchain, RAG, HuggingFace, Sentence-Transformer, Chroma Vector DB, Gradio.
2-> Project name - **AI Meeting of minutes generator**
    Technology used - Python, HuggingFace, OpenAI Whisper model, Llama-3.1-8B-Instruct model.

Education

Bachelor of computer applications

Raja Balwant Singh Management Technical Campus Agra, Uttar pradesh   2019-2022