GANESH RAJPOOT

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PROFESSIONAL SUMMARY

Results-driven **Backend Engineer** with 3.5 years of experience in **Python, Django, and FastAPI**. Expertise in designing and developing scalable **microservices architectures**, **RESTful APIs**, and robust **ETL pipelines**. Proven ability to integrate complex third-party systems (Digilocker, CDSL, NSE/BSE) and build **AI/ML solutions** using **LLMs (Mistral 7B), RAG, and LangChain**. Adept at **Agile methodologies**, **CI/CD**, and **cloud deployment** on AWS. Consistently delivers high-performance applications that reduce costs by up to 30% and improve efficiency.

WORK EXPERIENCE

iTech Mission Pvt. Ltd.   Oct 2024 – Present
Solution Developer (Backend Engineer)
- Architected and delivered **scalable, secure backend systems** for critical digital governance projects, ensuring high availability and compliance.
- Engineered **RESTful & SOAP APIs** for seamless data exchange between government systems and external partners, improving data interoperability.
- Optimized legacy code and database queries, resulting in a 40% improvement in application performance and reduced server load.

Meon Technologies Pvt. Ltd.   Jul 2023 – Oct 2024
Python Developer (Backend Engineer)
- Engineered full-stack financial tools (IPO, eKYC, Closure) using **Django & Flask**; automated manual workflows, cutting operational costs by 15%.
- Spearheaded **system integration** with critical financial APIs (Digilocker, NSE/BSE, CDSL, CVL KRA, PAN, Razorpay), enhancing system capabilities and user experience.
- Designed and built **data processing pipelines** to handle high-volume financial transactions and user data securely.
- Collaborated in an **Agile** team to deliver AI-driven automation solutions, improving client process efficiency.

Infocom Network Pvt. Ltd.   Mar 2022 – Jun 2023
Software Engineer
- Led the full **software development lifecycle (SDLC)** for the **Instant Connect** platform (**Django**), enabling real-time communication and increasing lead conversion by 25%.
- Developed **automated content generation** scripts by integrating **OpenAI ChatGPT** and Synthesia APIs, reducing video production time by 80%.
- Engineered a Python-based **IVR system** with intelligent call routing, decreasing average call handling time by 30% and improving customer support efficiency.

Cobaltzebra Info Technologies Pvt Ltd   Sep 2021 – Mar 2022
Web Developer
- Developed dynamic and responsive websites using **HTML5, CSS3, JavaScript, and Bootstrap**, improving user engagement and increasing site traffic by 25%.
- Implemented front-end features with a focus on **cross-browser compatibility** and **mobile-first design principles**.
- Gained foundational experience in **client-side scripting** and **UI/UX best practices** while contributing to full project lifecycles.

TECHNICAL SKILLS

Programming Languages:	Python, SQL, JavaScript
Backend Frameworks:	Django, Django REST Framework (DRF), Flask, FastAPI, Celery
Artificial Intelligence:	LLMs (Mistral 7B, GPT), RAG, LangChain, Hugging Face, NLP, Machine Learning, PyTorch
Database Systems:	PostgreSQL, MySQL, MongoDB, Redis
DevOps & Cloud:	AWS (EC2, S3), Docker, CI/CD (Jenkins, GitHub Actions), Linux, Nginx, Git, Bitbucket
Architecture & APIs:	Microservices, RESTful APIs, SOAP, System Design, ETL Pipelines, Apache Hudi
Methods & Tools:	Agile/Scrum, JIRA, Postman, RabbitMQ

PROJECTS

AI Chatbot with RAG & LLM | *Python, Mistral 7B, LangChain, RAG, FastAPI*
- Developed a high-performance AI chatbot by fine-tuning **Mistral 7B** and implementing a **Retrieval-Augmented Generation (RAG)** pipeline, improving answer accuracy by 45% and reducing model hallucinations.
- Designed the complete **vector search and embedding pipeline** using sentence transformers, enabling efficient semantic search over large knowledge bases.

Scalable KYC & Re-KYC Platform | *Python, Django, PostgreSQL, REST APIs*
- Architected a secure, full-stack KYC platform for thousands of users; implemented **role-based access control (RBAC)**, document verification, and automated validation workflows.
- Integrated with multiple external identity and financial validation services (**CDSL, CVL KRA**) via RESTful APIs, reducing manual verification time by 70%.
- Designed optimized **PostgreSQL schemas** and implemented caching with **Redis** to ensure high performance and scalability under load.

MauStats (Government Data Platform) | *Python, Django, MongoDB, ETL*
- Engineered scalable **ETL pipelines** in Django to securely process, validate, and import millions of citizen records from diverse data sources.
- Implemented dynamic reporting and data visualization modules with charting libraries, providing government officials with real-time insights into national statistics.
- Managed large-scale unstructured data using **MongoDB**, ensuring high availability, fast query performance, and data integrity.

EDUCATION

Buddha Institute Of Technology   **2016 – 2020**
Bachelor of Technology (B.Tech) — Information Technology   *Gorakhpur*

LANGUAGES

Hindi: Native Proficiency
English: Professional Working Proficiency