RAYANAGOUD NADAGOUDRA

AI/ML Engineer/ Python Developer

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Profile Summary

Dynamic Python Developer delivering enterprise-grade backend solutions and intelligent automation systems. Expert in leveraging AI technologies to build scalable applications that transform business operations, enhance efficiency, and achieve measurable return on investment.

Core Expertise

- **Programming & Frameworks:** Python, Django, Flask, REST APIs, Fast API, Advanced Python, Pandas, Numpy, Matplotlib and scikit.
- **Databases:** MySQL, PostgreSQL, NOCODB, MongoDB, Redis (caching), API Gateway.
- **Operating system :** Linux/Ubuntu, Windows, Bash/Shell Scripting, Nginx, Gunicorn, WSGI
- **DevOps & Cloud Platforms:** Docker, GitLab, github, CI/CD pipelines, AWS(EC2), GCP
- **Emerging Technologies:** Open AI, **MCP Server**, Generative AI, LLMs, RAG, Agentic AI, LangChain.
- **Software Engineering:** MVT, MVC, Microservices & Monolithic Architectures, Multithreading & Parallel Processing, Data Structures and Algorithms, schedulers, cron jobs.
- **Tools & Environments:** VS Code, Jira, Zoho, Postman,Windsurf, Cursor.

Additional: PDF to image conversion, text extraction from images using Tesseract, data extraction.

Professional Experience

Vsplash Techlabs Private Limited– Hyderabad, TG   *July 2025 – Present*

Python Developer - III | Clients: Internal Project, **Godaddy |** R & D and Automation Team
- Developed an **intelligent scoring system** that evaluates customer requirement quality based on completeness and precision of submitted fields
- Implemented automated tier assignment algorithm enabling managers to accurately **estimate project timelines** and identify potential conflicts.
- Built and deployed **a unified platform** where we can keep all AI tools using Django and MongoDB.
- Seamless data migration processes with optimized configurations, **reducing operational costs.**
- Streamlined tool management and accessibility across the organization.
- Developed automated deployment pipelines using CI/CD tools, Docker, and infrastructure automation to ensure seamless delivery.

Deep Cognition India Pvt. Ltd – Bengaluru, KA   *May 2023 – July 2025*

Product Name: Paperentry | **Clients:** Cargowise, NetCHB, MercureGate

Associate Software Engineer, Customer Success Engineer
- Configured MCP server with Claude Sonnet to get the monthly reports.
- Developed REST APIs and microservices using Python (Flask) to process single and batch PDF documents, delivering extracted data in JSON/XML formats with reprocessing capabilities.
- Deployed third-party system called **Uptime Kuma** monitoring and alerting.
- Implemented automated API testing and improved release reliability and QA efficiency.
- Implemented system integration between **Customer softwares** and **PaperEntry,** enabling seamless data flow between platforms
- Built Automatic Upgrade Instance with Recipe management with data migrations.

Profinch Solutions Pvt Ltd. – Bengaluru, KA   *Jul 2022 – May 2023*

Software Consultant | Clients: Internal Project
- Developed a CRUD REST API using Flask with clean and modular code structure.
- Added authentication, error handling, and validation for secure and reliable API usage.
- Containerized and deployed the API using Docker and GCP, with Postman documentation for testing.
- Added **JWT authentication**, role-based access control, and secure password hashing to protect API endpoints.