

Yogesh

Python Developer

PROFESSIONAL SUMMARY

- **2+ years of experience** as a **Python Developer** with hands-on expertise in **Machine Learning** and **Data Science** projects, specializing in developing and deploying scalable ML models.
- Proficient in **Python frameworks**, with strong skills in **REST API development** and backend integration for machine learning applications.
- Experienced in working with cloud platforms like **AWS EC2**, including extracting and reconciling data from unstructured documents (e.g., invoices, receipts, and contracts).
- Successfully developed ML models for document classification and data extraction, automating manual processes and reducing time and cost for data entry.
- Skilled in integrating machine learning solutions with databases such as **MySQL**, **PostgreSQL**, and **MongoDB** to ensure secure and optimized data processing.
- Adept at **DevOps practices**, including containerization using **Docker** and continuous integration, with experience deploying machine learning models to production environments.
- Strong problem-solving abilities and a passion for applying **AI/ML technologies** to real-world challenges, focusing on writing clean, maintainable code that adheres to industry best practices.

SKILLSETS

Programming Languages:	Python
Web Frameworks	Django, Flask, TensorFlow, Django, Flask
API Development	Django REST Framework (DRF), RESTful APIs, Flask APIs
Database Management	MySQL, PostgreSQL, MongoDB
DevOps & CI/CD	Docker, Git, GitHub, Bitbucket
Tools	Scikit-learn, Keras, Pandas, BeautifulSoup, Scrapy, DALL-E, Midjourney, OpenAI (GPT3.5, 4), AWS

QUALIFICATION

- CCS University-BCA 2021

PROJECTS

Project 1: <u>Nanonets</u> Role: Software Developer	<p>Description: Nanonets helps businesses to easily train and deploy machine learning models that accurately classify and extract information from a variety of documents, such as invoices, receipts, contracts, and more. This can reduce the drudgery and time for manual data entry, which can be both laborious and costly to enter.</p> <p>Tech-Stacks: Fast API, AWS EC2, Python</p> <p>Roles & Responsibilities:</p> <ul style="list-style-type: none">• Developed all the required APIs for tool-pages like image to excel, PDF to CSV.• Created POC models which will extract information from images and reconcile them with database• Worked on the matching logic for reconciliation.
Project 2: Tradershub Role: Software Developer	<p>Description: US based project, in which we created a platform to serve traders community. Led the architecture of a comprehensive backend infrastructure for a trading platform.</p> <p>Tech-Stack: Python, Django, Django REST, Asyncio, Docker, AWS, NGINX, CI/CD, Git, Celery, Redis, Django ORM, MySQL, MongoDB, Selenium, BeautifulSoup</p> <p>Roles and Responsibilities:</p> <ul style="list-style-type: none">• Designed and implemented user authentication and authorization using JWT, ensuring robust security.• Developed a single-session login system similar to Hotstar's, which reduced unauthorised access by 35%.• Architected a multi-tenant system to support multiple clients within a single application.• Containerized the application using Docker and established a CI/CD pipeline for deployment.• Built a predictive model using Linear Regression for forecasting closing prices.• Configured NGINX as an API Gateway for load balancing and routing.

	<ul style="list-style-type: none">● Deployed the system on AWS EC2 with S3 for storage and assisted frontend deployment using AWS Amplify.● Established real-time communication with WebSockets, Celery, and Redis.● Implemented two-factor authentication with Twilio, enhancing security by 50%.● Developed a chat system using PubNub and integrated Stripe for payment processing.● Implemented async functions in the Discord bot to send real-time trading data to servers.● Integrated third-party APIs and webhooks for efficient data fetching and relay, improving data speed by 15%.
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