

Summary

- Proactive **Python Developer** with 2+ yrs of Experience specializing in **backend development and API engineering** using **FastAPI, Django, and MongoDB**. Experienced in designing robust **RESTful** architectures, optimizing data flows, and deploying secure, cloud-integrated solutions on **Azure** and **GCP**. Strong understanding of **microservices, CI/CD, and containerization (Docker)**, with a focus on writing clean, efficient, and maintainable code.

Skills

- Languages & Frameworks:** Python, Django, MySQL, PostgreSQL (Basics), MongoDB, Django ORM, FastAPI (Swagger/OpenAPI Docs), HTML (Basics), Machine Learning, Deep Learning, Streamlit.
- Tools & Technologies:** Docker (Basics), RESTful APIs, Qlik Sense , CI/CD (GitHub Actions - basics) .
- Languages** - English , Hindi .
- Libraries Used** - Numpy , Pandas , Jupyter , Scikit-Learn , Seaborn .
- Analytics** - Data Analytics , Data Visualization , Data Science .

Experience

- Diagonal Consulting** July 2023 - Present

1. Implementation Project - RAG

Project Description	GenAI Application - Developed a RAG-powered intelligent assistant capable of answering domain-specific queries by retrieving relevant context from enterprise documents and generating accurate, grounded responses .
Role	Software Engineer
<div>Responsibilities :-</div> <ul style="list-style-type: none">Engineered and deployed RESTful APIs using FastAPI, designing optimized asynchronous endpoints that improved system throughput and enabled seamless integration with MongoDB backends.Integrated JWT and OAuth 2.0 authentication workflows to deliver robust, scalable, and secure user access management within internal platforms.Developed automated data pipelines for retrieving and processing PDFs from OneDrive and Google Drive, reducing manual ingestion time by 40%.Validated and Serialized incoming data using Pydantic models with async/await implementation, ensuring high data integrity, faster I/O handling, and consistent schema enforcement.Configured Nginx as a reverse proxy and API gateway, improving scalability and request management efficiency.Built a PDF-based evaluation pipeline supporting the RAG (Retrieval-Augmented Generation) framework, enabling model performance evaluation against ground truth data to enhance retrieval accuracy and contextual response quality.Collaborated with cross-functional teams under Agile methodology, participating in code reviews, testing, and CI/CD pipeline improvements.	
Tools / Tech	Python , FastAPI , MongoDb , Nginx , git
Duration	Jul'24 to Current Date

2. Implementation Project - Serum

Project Description	Built data-driven dashboards and reports for India's No. 1 Biotechnology company, working closely with stakeholders to surface insights that enhanced business outcomes and strategic focus.
Client	Serum Institute of India (SIT)
Industry	World's largest vaccine manufacturer which includes Polio vaccine, Diphtheria, Tetanus, Pertussis, Hib, BCG, r-Hepatitis B, Measles, Mumps, Rubella as well as Pneumococcal and Covid-19 vaccines.
Role	Data Consultant
Responsibilities :- <ul style="list-style-type: none">Developed dynamic & interactive Dashboards and Reports in Qlik Sense, effectively visualizing complex insights and facilitating data-driven decision making leading to improved strategic process and 15 % increase in sales.Optimized ETL Processes , Streamlined ETL processes through automation and optimization techniques, reducing processing time by 2.5 hours/day and improving overall accuracy ,efficiency.Collaborated seamlessly with stakeholders & cross-functional teams to identify and prioritize business needs and tailored data solutions.	
Tools	Qlik Sense Enterprise, Qlik Nprinting
Duration	Jan`24 to Jun`24

• University Of Petroleum and Energy Studies

Oct 2019 - Sep 2020

1. Support Task

Role	Technical Assistant
Responsibilities :- <ul style="list-style-type: none">Technical as well as Software Support throughout the sessions.Retrieving and Storing Data for PhD Applicants for the Research Work over College Database.Working over Different OS and Providing Support to staff and students throughout.	
Tools / Tech	Python , Oracle11 , MySQL , C Programming , Linux .
Duration	Oct`19 to Sep`20

Personal Projects

- **Sentiment Analyzer App**
 - Created a sentiment analyzer app using Django to identify given prompts as **-ve / +ve / neutral**.
 - Pre-trained data using Airline Customer Reviews into a **Logistic Regression** Model.
 - Data Manipulation and Analysis using **Numpy & Pandas** libraries & Visualization of data using **Matplotlib** and **Seaborn**.
 - For **version control** used **Git** , ensuring smooth collaboration and updates.
- **Ecommerce-Website**
 - Building an e-comm website using Django.
 - Develop a cart that uses session keys to store user products, enabling smooth shopping experiences.
 - Leverage Django's ORM to create models and implement user-based authentication for secure access and personalized experiences.

EDUCATION

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|---|--------------------------------------|
| • M.Tech CS
<i>Uttarakhand Technical University</i> | <i>Sep 2020 - Oct 2022</i>
78% |
| • M.Sc IT
<i>HNBGU</i> | <i>Aug 2017 - June 2019</i>
75 % |
| • B.Sc PCM
<i>HNBGU</i> | <i>Aug 2013 - June 2016</i>
53 % |
| • 12th (CBSE)
<i>G.I.S</i> | <i>April 2011 - Mar 2012</i>
67 % |
| • 10th (CBSE)
<i>G.I.S</i> | <i>April 2009 - Mar 2010</i>
53% |

Achievements / Certifications

- Good Team Player
- Participated in various sports events .
- College Cricket Team Player Representative.
- **Udemy Courses**- Data Science Bootcamp , Unix & Linux essentials.
- **Coursera Courses**- Bits & Bytes of Computer Networking