Abhinesh B

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"Django artisan, weaving code into seamless digital experiences."

EDUCATION:

Sri Sairam Engineering College, Chennai, India.   **Aug 2017 - Jun 2021**
B.E., Mechanical Engineering

PROFESSIONAL SUMMARY:

Python Developer with 3+ years of experience in backend development, data analytics, and automation. Proficient in building scalable APIs using Django and DRF, automating CI/CD pipelines, and integrating machine learning models into production. Proven expertise in Python, SQL, Jenkins, and mainframe automation with a focus on performance optimization and system reliability.

PROFESSIONAL EXPERIENCE:

Tata Consultancy Services, Chennai, India.   **Dec 2021 – Present**
Django Developer [Python | Django | DRF | API | Jenkins]

- **Collaborated with data scientists to deploy and monitor machine learning models** in production environments, integrating model endpoints with Django-based APIs to ensure scalability and performance under real-world loads.
- **Worked cross-functionally with product and analytics teams** to align machine learning solutions with business objectives, ensuring data-driven features and model outputs directly supported user engagement and operational KPIs.
- **Developed a scalable web application using Django and Django REST Framework (DRF)**, enabling seamless API interactions, and reducing response times by **40%** through optimized database queries and caching.
- **Automated backend workflows**, optimized database performance, and implemented CI/CD pipelines on Jenkins, reducing manual effort by 60%, ensuring zero-downtime deployments, and enhancing overall system reliability.
- **Optimized existing REST APIs** by improving database queries, reducing response times by **30%**, and minimizing payload size by **25%**, resulting in enhanced system performance and scalability.

Data Analyst [Python | Numpy | Pandas | Power BI | Excel]

- **Utilized Pandas** for **data wrangling, cleaning, and transformation** across multi-million row datasets, enabling faster and more accurate reporting.
- **Leveraged NumPy for high-performance numerical operations** and array manipulations, boosting efficiency in analytical workflows.
- Applied NumPy to optimize performance in statistical calculations, simulations, and large-scale data transformations.
- Worked closely with stakeholders to define metrics, gather requirements, and deliver impactful insights.

SKILLS:

Languages:	DevOps & Automation:	Associated Skills:	Analytical Tools:
• Python	• Jenkins (Pipeline & CI/CD)	• API Development & Optimization	• Power BI
• HTML	• UCD (Urban Code Deploy)	• Mainframe Integration & Automation	• Advanced Excel
• CSS	• Service Now (Change Management)	• Django, DRF	
• Cobol		• REXX, Groovy	
• SQL		• Open AI, Gemini	
• C#			

CERTIFICATIONS:

- Hackerrank - **Python | SQL.**
- LinkedIn - **HTML | C#**
- Udemy – **API Technical Writing**