Prabhansh Paliwal

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SUMMARY

I'm a passionate Python developer with a strong focus on designing and implementing scalable, efficient, and resilient software architectures.I thrive on translating complex ideas into robust, high-performance solutions. My approach emphasizes architectural best practices, optimizing system workflows, and eliminating bottlenecks to build software that is not only maintainable but also empowers businesses to scale seamlessly and achieve their objectives with efficiency.

EXPERIENCE

Python Developer Jun '23 — Present
Videoverse Indore, India

- Leading the design and implementation of video solutions that elevate streaming quality, optimise playback performance, and ensure cross-platform compatibility.
- Leveraging AWS Lambda's serverless architecture to optimize media delivery, ensuring high-performance and scalability. Demonstrated expertise in efficiently serving and managing over 10 Million live streams concurrently for a diverse clientele of 100+ clients.
- Integrated Google Cloud Platform (GCP) services to enhance cross-cloud functionality and scalability.
- Utilized Docker for containerization, ensuring seamless deployment and consistency across development environments.

System Engineer May '21 — May '23
Tata Consultancy Services Indore, India

- Successfully designed and implemented end-to-end data pipelines, transforming raw data into actionable insights, improving operational efficiency by 10-20
- Developed robust data quality checks and implemented data governance practices to ensure accuracy, consistency, and integrity of data.
- Implemented data partitioning and indexing strategies for large databases, improving query response times

PROJECTS

Developed and Optimized a Scalable Media Intelligence Platform for Real-Time Brand and Campaign Monitoring Used by Fortune 500 Companies. Link

- Developed a **Flask-based REST API** to fetch, process, and analyze news articles for sentiment and keyword extraction.
- Integrated **NewsCatcher API** to retrieve news articles based on Boolean search queries.
- Implemented **custom AI/ML models** to enhance sentiment analysis and keyword extraction, improving accuracy over the default NewsCatcher results.
- Designed and deployed the solution using **Docker containers** for portability and scalability.

Vehicle Detection

- Machine Learning - Bachelor's Project Numpy , CV2 , Open CV , Python
- A desktop application which can detect the given color vehicle from the source.
- This could help us to detect the given vehichle from the chunks of the vehicles.
- This could help the automobiles company to check what colours are being consider by users so that they can manufacture more of that type.

SKILLS

Programming Language Python, Java, Shell Script
Web Framework Flask, Django
Cloud Services AWS, GCP
Orchestration Docker, Kubernetes, Apache Kafka, CI/CD, Jenkins
AI/ML Open CV, Computer Vison, Model Validation
Version Control GIT, Bamboo, Bitbucket

CERTIFICATIONS

Python Certification, Coding Ninja Nov '22
Python Certification of Excellence, Coding Ninja Feb '22