

HARIOM DUBEY

Ghatkopar, Mumbai | +91 8928178792 | dubeyhariom2020@gmail.com | [Github](#) | [LinkedIn](#)

Technical Skills

Languages and Frameworks: Python, Django Rest Framework, FastAPI, HTML/CSS, JavaScript, SQL

Technologies and Tools: Redis, Jenkins, AWS (EC2, S3, Route53), GIT, Celery, Docker, Kafka, Airflow, Kibana, Prometheus & Grafana

Databases: PostgreSQL, Sqlite, MySQL

Experience

GrayQuest Education Finance, SDE 2

Aug 2021 - Present

Developed and maintained backend systems for web applications using **Python** and **Django** framework, ensuring robust and reliable performance for various client applications. Leveraged **Docker** for containerized deployments, resulting in a scalable and maintainable backend architecture.

Created a secure and scalable online transaction platform, integrating multiple **payment gateways** such as Razorpay, Cashfree, and Easebuzz. Ensured compliance with industry regulations to maintain high standards of transaction security and reliability. Deployed on **AWS EC2** and **RDS** for scalable infrastructure and used **Route 53** for efficient DNS management.

Developed an automated system for sending **notifications**, **generating reports**, and performing **scheduled tasks**, streamlining operations and improving overall system efficiency. Utilized Apache **Airflow** for orchestrating complex workflows and **Celery** with **Redis** for task queue management, ensuring timely execution of tasks and high availability.

Implemented Identity and Access Management (IAM) for authentication and authorization mechanisms to ensure data security and user privacy, providing a secure environment for all users. Designed **role-based access control (RBAC)** to enforce granular permissions and secure sensitive data across the platform.

Optimized **MySQL** database queries and implemented caching mechanisms to enhance application performance and reduce response times, significantly improving user satisfaction and system efficiency. Used **Redis** for caching and employed **indexing**, query

optimization, and database **normalization** techniques to improve data retrieval times and reduce server load.

Set up CI/CD pipelines using **Jenkins** and **GitHub**, automating build, test, and deployment processes for rapid and reliable updates. Integrated Docker for consistent deployments and utilized **Linux** for server management, automating tasks with shell scripts for optimal performance.

Implemented **Kafka** for background processing and **webhooks**, enhancing system responsiveness and reliability.

Groom, Internship

May 2021 - Jul 2021

Developed an Object Detection Model using **YOLOv4** to detect various types of clothing for men and women. This involved training the model on a diverse dataset, fine-tuning hyperparameters for optimal accuracy, enhancing the user experience by providing instant clothing identification and recommendations.

Projects

Cartoonizer

Developed project using **OpenCV**, and **K-means clustering**, transforming images into cartoon-like versions with **edge detection**, **bilateral filtering**, and **color quantization** for a simplified palette.

AWS Chatbot

Developed a Chatbot using **Telegram Bot APIs**, **Boto3** and **IAM Creds** facilitating interaction and management of AWS services via Telegram interface.

Education

Bachelor of Science in Information Technology, Mumbai University (Jun 2017 - Jun 2020)

Additional Information

Languages: English, Hindi, Marathi

Awards/Activities: Received the "Mountain Mover" Award for outstanding contributions to payments project.