

Om Rawal

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EXPERIENCE

Full Stack Python Developer

May 2025 – Present

Citi (Citicorp Services India Private Limited)

Mumbai, IN

- Designed and led development of a **Django/React** platform automating risk model workflows for **10+ teams**, reducing manual model turnaround time from **2 weeks to 2 days**.
- Integrated automated data ingestion channels, reducing manual errors by **95%** and accelerating dataset onboarding by **80%**
- Coordinated with **4 cross-functional teams** to integrate regulatory requirements, ensuring **100%** compliance in model documentation and audits.

Software Development Engineer

June 2022 – April 2025

Morgan Stanley Capital International MSCI - Wissen Technology

Mumbai, IN

- Developed an optimized full-stack web application using the **Flask** framework (**Python**); achieved a **40%** reduction in page load times.
- Established efficient ETL pipelines for data migration, migrating terabytes of data with **99.9%** accuracy.
- Optimized database queries and processes, achieving a remarkable **85%** reduction in query execution time.
- Migrated and validated **37TB** of data from **Oracle** to **BigQuery** with **99.9%** accuracy and **30%** faster processing.
- Optimized data pipelines, reducing processing time by **25%** and cloud costs by **27%**.
- Designed and implemented a **RESTful API** using **Spring Boot (Java)** and Oracle Database for full user management.

EDUCATION

K. J. Somaiya College Of Engineering

Mumbai, IN

B.Tech. in Computer Engineering GPA: 9.355

Aug. 2018 – May 2022

HSC Science

Mumbai, IN

Maharashtra State Board 85.85%

Aug. 2017 – May 2018

PROJECTS

Mental Health Chatbot (Python, Django, NLP, Machine Learning)

- Full-stack web application using Django and REST API to power a chatbot for depression detection.
- Implemented NLP techniques and neural networks (RNN, CNN) to analyze user conversations.
- GitHub:** github.com/omrawal/UpbeatBuddy-Chatbot

Secure File Storage System (Python, OpenCV, Cryptography, Face Recognition)

- Designed an alternative to Google Drive with multifactor authentication using facial recognition and encrypted storage with OpenCV and cryptography libraries.
- GitHub:** github.com/omrawal/Safe-Storage

Stock Market API Scrapy (FastAPI, Scrapy, Web Scraping)

- Developed RESTful API with FastAPI to expose real-time and historical stock data using advanced web scraping from Google Finance.
- GitHub:** github.com/omrawal/Stock-Snap

TECHNICAL SKILLS

Programming Languages: Python, Java, C, SQL (Oracle, MySQL), JavaScript

Web Development: Django, Flask, FastAPI, React, Node.js, Scrapy

DevOps & Tools: Git, Docker, JIRA, CI/CD

Data Science: PySpark, Pandas, NumPy, Matplotlib

Cloud & Big Data: Google Cloud Platform (GCP), BigQuery, DataBricks

ACHIEVEMENTS

- Rockstar Rookie Award, Delivered high-impact solutions and on-time project launches at Wissen Technology
bit.ly/46ZEH7C