

Gaurav Tiwari

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EDUCATION

UNIVERSITY OF MUMBAI

B.E. IN INFORMATION TECHNOLOGY
May 2019 - May 2023 | Mumbai, IN
GPA: 9.40 / 10.0

LINKS

GitHub: GauravT
LinkedIn: gauravtiwari19
Portfolio: gaurav_tiwari.com

TECHNICAL SKILLS

LANGUAGES

Python, JavaScript, SQL, Java

FRAMEWORKS/TOOLS

FastAPI, NumPy, Pandas,
TensorFlow, Kafka, Redis, GitLab,
Docker, Jenkins

PLATFORMS

PostgreSQL, MySQL, Microsoft
SQL Server, AWS, GCP, Grafana

CERTIFICATIONS

Automate with Python

Udemy

Web Development Bootcamp

Shape.AI

Java In-Depth

Udemy

ACHIEVEMENTS

- **Highest CGPA (10/10)** in Last Year of Engineering from University of Mumbai (2023).
- **Hackathon Winner** at VPPCOE-VA's event **QUASAR 1.0**
- Secured **DSA Intermediate badges** on LeetCode

EXPERIENCE

MEDIA.NET PVT LTD

SOFTWARE ENGINEER

July 2023 - Present | Mumbai, IN

- Developed an **AutoPause Campaign System** in Python using Fast API and PostgreSQL, dynamically managing campaigns and optimizing budget allocation, **reducing ad overspending by 10%**.
- Designed **high-throughput REST APIs**, enabling scalable automation of revenue and ad conversions.
- Migrated business-critical applications from AWS to GCP, **reducing cloud costs by around 20%**.
- Developed application on Windmill using Python and integrating data from multiple sources (Pinot, MS SQL, PostgreSQL) to automate reporting and analysis. The business team was able to track advertiser performance and campaign effectiveness in real time, **improving decision-making speed and precision**.

MULTI COMMODITY EXCHANGE OF INDIA LIMITED

SOFTWARE ENGINEER INTERN

March 2023 - June 2023 | Mumbai, IN

- Migrated MySQL to PostgreSQL, **improving query performance** by using advanced indexing techniques.
- Validated data pipelines while integrating database operations with Microsoft SQL Server, **improving performance by 15%**.

PROJECTS

LEAF BASED DISEASE DETECTION

DEEP LEARNING & MOBILE INTEGRATION (AGRICULTURAL FIELD)

Jan 2023 | Android, Python, TensorFlow

- Developed a deep-learning model achieving **95% accuracy** for early potato diseases detection, aiding farmers.
- Integrated with an Android app for real-time on-field analysis.

COVID-19 DETECTION FROM X-RAYS

MACHINE LEARNING (MEDICAL FIELD)

Dec 2022 | Python, TensorFlow, Keras

- Built a deep learning model with CNNs, achieving **92% accuracy** on medical X-ray datasets.
- Developed an automated pipeline using Flask and TensorFlow for real-time predictions.

VIDEO CHAT APPLICATION

WEB APPLICATION

June 2021 | ReactJS, WebRTC, Socket.io, FastAPI

- Developed a scalable real-time video chat platform using WebRTC and FastAPI, capable of handling concurrent video streams.
- Designed event-driven architecture with Kafka for seamless message transmission, **reducing lag by 30%**.