Gaurav Tiwari

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EDUCATION

UNIVERSITY OF MUMBAI
B.Tech in Information Technology
May 2019 - May 2023 | Mumbai, IN
GPA: 9.40 / 10.0

LINKS

GitHub: GauravT
LinkedIn: Gaurav Tiwari
Twitter: @gaurav_tiwari

TECHNICAL SKILLS

LANGUAGES
Java, Python, JavaScript, C, C++, SQL
HTML/CSS

FRAMEWORKS/TOOLS
Spring Boot, FastAPI, NumPy, Pandas,
TensorFlow, Keras
Jenkins, Kafka, Redis, ElasticSearch,
Selenium

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

CERTIFICATIONS

Automate with Python Programming
Udemy

Web Development Bootcamp
Shape.AI

Java In-Depth
Udemy

Arduino Programming
IIT Bombay

ACHIEVEMENTS

• Awarded **Highest CGPA (10)** in Information Technology, University of Mumbai (2023).
• Debate Winner at Wilson College, VPPCOE-VA events.
• Secured **DSA/SQL Intermediate** badges from HackerRank and LeetCode.

EXPERIENCE

MEDIA.NET PVT LTD
Software Engineer
July 2023 - Present | Mumbai, IN

- Engineered an **Autopause Campaign System** managing campaign lifecycles dynamically through Python, PostgreSQL, and multithreading. Improved efficiency for large-scale ad budget adjustments.
- Designed REST APIs in **Spring Boot** for revenue and ad conversion automation, increasing SEM process scalability.
- Delivered a robust **article extraction system** using FastAPI, MySQL, and Pandas. Automated metadata analysis and report generation for 1,000+ articles, reducing manual effort by 90
- Built an alerting platform to monitor inconsistencies between MySQL and ElasticSearch, ensuring 99.9% data integrity.
- Migrated critical backend systems from AWS to GCP, achieving a 20% cost reduction and improving infrastructure security.
- Automated data validation for 100+ business-critical dashboards via Selenium, **TypeScript**, and **Java**, reducing regression times by 50%.

MULTI COMMODITY EXCHANGE LTD
Software Engineer Intern
March 2023 – June 2023 | Mumbai, IN

- Migrated core .NET applications to Java ecosystems, leveraging **PostgreSQL Migration Tools** and JDBC.
- Validated data pipelines while integrating database operations with Microsoft SQL Server, improving performance by 15%.

PROJECTS

VIDEO CHAT APPLICATION
| Web Application
June 2023 | HTML, ReactJS, WebRTC, Socket.io

- Designed and deployed a full-stack video chat platform using WebRTC, enabling seamless real-time communication.
- Leveraged **ReactJS** for dynamic UI and socket.io to handle high-frequency message events.

COVID-19 DETECTION FROM X-RAYS
| Machine Learning
Dec 2022 | Python, Keras, TensorFlow

- Developed a CNN model achieving **92% accuracy** on X-ray datasets for COVID-19 diagnosis.
- Automated image preprocessing pipelines to expedite diagnostic workflows.

POTATO DISEASE DETECTION
| Deep Learning & Mobile Integration
June 2022 | Android Studio, Python, TensorFlow

- Built a deep-learning model utilizing TensorFlow to classify potato leaf diseases with 95% accuracy, aiding farmers in early disease prevention.
- Integrated edge deployment with a user-friendly Android app to ensure accessibility.