

# Saurabh Singh

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## Skills

- Python | SQL | NoSQL | Flask | Dart | Tableau | Power BI | MS Excel | MSSQL | Git | Databricks | Supervised Learning | Clustering | CNN
- Un Supervised Learning | Ensemble | CI/CD | OOP | NLP | Decision Trees | Dashboarding | NumPy | Pandas | Scikit-Learn | TensorFlow
- AWS EC2 | MLFlow | MLOps | Seaborn | Matplotlib | Scipy | Statistics

## Experience

**Analyst/ML Engineer** **Dectwin Enterprise Ltd.** *Remote* **04/2023 - 09/2023**

- Led the design and development of multiple enterprise-level microservice applications of Commerce Experience Group, driving ₹150 Thousands of revenue every quarter of year using the latest technologies of Flutter, dart, TensorFlow Lite, whatsapp APIs.
- Designed and implemented scalable APIs and background workers for managing analysis and reports forming for the Sales, Purchase, Expenses while increasing report efficiency by 60%.
- Enhanced software speed, surpassing existing solutions, and expanded functionality for improved user experience.

**TensorFlow Developer** **ZTM Academy** *Remote* **08/2021 - 01/2012**

- Create a Skimlit model of RTC papers consisting of 200k labeled Randomized Control Trial (RTC) abstracts with better accuracy.
- Designed and developed violence activity detection by using technologies such as Python, Deep learning, Flask HTML, CSS.
- Used a CNN neural network and LSTM to Design, implement, test, deploy and maintain a model for multi-classification of 101 Food Items with greater accuracy than 89%.

## Projects

[Project Link.](#) **Custom GPT Q&A Bot** **08/2023 - 09/2023**

- Construct a customized GPT model for targeted user domain, optimizing responses to yield results that boast a 40% increase in accuracy.
- This AI harnesses the power of the LLaMA model, bolstering its reliability and outperforming GPT 3 while maintaining a fraction of its size.
- This model achieves an impressive 75% accuracy in TriviaQA, exceeding the performance of conventional models.

[Project Link.](#) **Sales Data Analysis** **04/2023 - 04/2023**

- Used complex parameters to drill down in worksheet and customization using filters and slicers.
- Created connections, joined new tables, calculations to manipulate data and enabled user driven parameters for visualizations.
- Used different types of customized visualization (bar charts, pie chart, donut chart, clustered bar chart etc).

[Deployment Link.](#) **Billboard Top 100 Songs Analysis** **09/2022 - 09/2022**

- Developed a real-time analysis report to show the behavior of various songs genres and culture and their data representation.
- Created beautiful interactive charts and with filters to filter the kind of data to showcase on the charts, increases user interaction by 80%.
- Designed and Develop a scalable analysis report with deployment to github actions, increases efficiency and provides robustness.

## Education

**Bachelor of Technology** **RGPV University** *Bhopal, MP, India* **08/2019 - 06/2023**

- Major in Computer Science Engineering

## Certifications

- Data Analytics & Science by Pierian Data
- TensorFlow Developer by ZTM Academy

## SoftSkills

- Problem Solving • Teamwork abilities • Ability to work effectively • Excellent Communication

## Interests

- LLM's • ML • MLOps • Data Analysis

## Others

- Became finalist in the Smart India Hackathon - 22 for the Violence Activity Detection Model (Runner Up). (2022)
- Played Regional Level Football Under-14 and Under-17 and Won the [Golden Boot For Most Goal Scorer in Under-14](#) (2014)