SAURAV KUMAR

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SKILLS

- **Programming Languages** : Python, SQL, Java, R
- **Libraries and Frameworks** : PySpark, Python Libraries, Statistical Modelling, Exploratory Data Analysis (EDA)
- **Tools** : Google Cloud / GCP, Dataproc, Cloud Composer (Airflow), Tableau, Power BI, AWS, Excel, Google Colab, BigQuery, HiveQL, CI/CD, REST API, Visual Studio, Linux/Unix, Bitbucket, GitHub, JIRA, Insomnia/Postman

EXPERIENCE

Data Engineer
Mphasis

Dec 2024 - Present   Pune, India

- Reduced data latency by **30%** by optimizing **Hive queries**, streamlining **ETL workflows**, and improving data validation for accurate reporting.
- Automated **data validation pipelines**, improving stakeholder access to insights and speeding decision-making by **25%**.
- Built an automation tool for **cross-platform data consistency checks** (Oracle, Snowflake, Hive), cutting manual effort by **30%**.
- Engineered a series of automated scripts to validate data integrity, achieving a **30%** decrease in manual review time, which empowered the team to focus more on strategic initiatives and client engagement efforts.
- **Tech Stack:** *Python, PySpark, Hive, CI/CD, GitHub, JIRA, Zephyr, Python Libraries, Citi Internal ETL Tools*

Lead Data Analyst
Tata Consultancy Services

May 2022 - Dec 2024   Bengaluru, India

- Built **5+ interactive dashboards** in **Looker (Plx Dashoard)**, delivering real-time sales insights and accelerating decisions by **30%**.
- Improved analytics efficiency by analysing nationwide **Google products (GWS, Chromebook, Gemini) performance**, driving a **15–18%** sales boost via targeted insights.
- Streamlined vendor data workflows using **BigQuery/Dataproc**, reducing analysis time by **20–25%**.
- Delivered actionable, data-driven insights to sales leadership, increasing customer renewal rates by 10% and refining market penetration strategies and improved **sales rep performance by 15%** through incentive programs.
- **Tech Stack:** *Google Cloud Platform (BigQuery, Composer, Dataproc), Looker (Plx Dashboards), Python, PySpark, MySQL, Excel, Python Libraries, Exploratory Data Analysis*

Software Development Engineer (Backend)
Tata Consultancy Services

Nov 2021 - Apr 2022   Pune, India

- Implemented **microservices** for the reservation system, improving scalability and raising service demand.
- Boosted client engagement by **11–14%** through product demos, increasing adoption and satisfaction.
- Set up **CI/CD pipelines**, cutting deployment time by **25%** and reducing costs.
- Enhanced analytics efficiency by **25%** through advanced **SQL query development**.
- **Tech Stack:** *Java, Spring Boot, CI/CD (Jenkins), Postman, JIRA, Bitbucket*

PROJECTS

Face Detection and Recognition using OpenCV in Python

- Developed a face recognition system using the Haar Cascade Classifier algorithm in Python, achieving over 85% accuracy in real-time face recognition.
- Utilized the TKinter framework to develop a user-friendly GUI, enhancing user experience and interaction.

- Achieved Haar algorithm cascade efficiency by fine-tuning classifiers, resulting in a 25-30% reduction in query execution time.

SQL Business Case study
- Streamlined and analysed data for large MNCs in Brazil, leading to over 15% growth in sales and profit margins.
- Compiled and presented visual representations of yearly financial performance, utilizing 10+ KPIs drive effective decision-making across the sales and marketing departments.
- Applied data visualization strategies to improve visibility into sales growth and delivery efficiency.

Netflix Business Case Study
- Analyzed release timing of TV shows vs movies to drive popularity and revenue growth over a period of time.
- Delivered data-driven insights optimizing TV show and movie releases on OTT platforms, increasing viewership and revenue by 20%.
- Identified cost-saving opportunities by recommending director and actor combination, resulting growth in viewership and popularity.

EDUCATION

BE/B.Tech/Bs
Pune University   🗓 2021
Branch : Computer Engineering | **CGPA** : 8.08 / 10

Higher Secondary Education (Class 12)
Central Board of Secondary Education   🗓 2016
Stream : Science (PCM) | **Score** : 79.2%

ACHIEVEMENTS

CERTIFICATIONS
- Microsoft Data Analyst Associate (Microsoft)
- Associate Google cloud Engineer (Google)
- Python for Data Science (NPTEL)
- Programming in Java (NPTEL)
- Data Science Orientation (IBM Data Science Professional Certificate)
- SQL Skill Mastery Certification (Scaler)
- Python Libraries Skill Mastery Certification (Scaler)