# ANKUR KUMAR

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## TECHNICAL SKILLS

**Analytical Tools:** Advanced Excel, Tableau, SAS Advanced, Power BI, Qlik Sense
**Database:** Oracle SQL, PostgreSQL, Apache HIVE, NoSQL (Cassandra, MongoDB), Spark SQL, Scala
**Data Engineering Tools:** Python, Airflow, Docker, Kubernetes, Git, AWS S3, ECR, Informatica, GCP
**Certifications:** Power BI(INeuron), Qlik Sense(Qlik), English (C1), SQL(HackerRank)

## PROFESSIONAL EXPERIENCE

### Senior Data Engineer -  BID  Company  (ITALY)                                           May 2024- Present

- Executed and managed end-to-end migration projects for a leading Italian bank, leveraging **Informatica**, **Hive**, and **Google Cloud Platform (GCP).**
- Developed efficient and clean code for machine learning models to enable their **credit lending system.**
- Managed and mentored Junior Data Engineers, conducting code reviews and fostering their growth towards independence.

### Data Engineer -  HelloFresh Italia SRL  (ITALY)                                           Feb 2022- May 2024

- Developed and implemented data pipelines for processing customer orders in the Italian market utilising **Python** Scripts , and **Airflow** reducing time from 45 mins to 5 mins
- Created an automated pipeline for retrieving courier delivery data from **FTP** on a daily basis and visualised success rate through **Tableau** saving multiple hours.
- Created **Tableau** dashboards to assist senior management in making informed business decisions.
- Conducted data analysis on multiple projects for the business, including analysis of errors and retention.
- Leveraged **AWS Python** client to interact with **S3** storage buckets.
- Utilised **Python** and **SQL** to automate data jobs for various teams within the company.

### Data Engineer (Intern)-  Liguria Digitale Spa    (ITALY)                                           Mar 2021- Dec 2021

- Developed a core dashboard to calculate the tax deductible based on the variable salary brackets.
- Optimised tax calculation process for the Ligurian Govt. effectively reducing processing time from an hour to a couple of minutes and deployed it in **Power BI**.
- Developing an automated **ETL** pipeline of getting unstructured **XML** data in **Apache NiFi**, analysing it in **MongoDB**, modelling and visualisation  in **Power BI** to produce  energy certification reports based on various parameters
- Developed an automated dashboard of recent covid cases in Italy showing recent trends and correlation using **Power BI** while fetching the data from **Apache NiFi** everyday using CRON timer and transforming the data in **Oracle SQL**.

### Business Analyst-  American Express  (INDIA)                                           Mar 2016-Sep 2018

- Built the entire pathway and automated the processing of large unstructured files resulting in cost optimization.
- Task Automation of multiple daily reports using **SAS** & **Excel** macros in **Salesforce**.
- Partner enablement pendency reduction from 19.57% to 2.29% in 2017 through daily reporting and liaising with multiple teams.
- Liaised with multiple clients facing teams to understand merchant needs and offer tailored solutions to mitigate fraud and address other processing related requirements
- Executed change in the digital signature functions from **MD5** to **SHA 256** resulting in the 83 % increase of the transaction capture rate

## EDUCATION

**UNIVERSITÀ DEGLI STUDI DI GENOVA, ITALY**
MSc Computer Science (Data Science & Engineering)                                           **Dec 2021**

**INDRAPRASTHA UNIVERSITY, INDIA**
Bachelor of Computer Applications                                           **Jul 2015**