

# Simranjeet Singh

Data Analyst

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I am a multitasking professional with excellent analytical and logical skills along with the business acumen driven by data backed decision making having added value to organisations across different sectors. After working with esteemed organisations solving different types of problems through engineering models driving innovative solutions, I finally found data engineering as my core passion and got a brilliant opportunity with Northcoders fitting in with my aspirations. The training at Northcoders honed my technical skills along with collaborating me with individuals from different sectors enriching the solutions with multiple perspectives.

## Work Experience

### Trainee Data Engineer

Nov 2023 - Mar 2024

*Northcoders*

Enrolled in a 13-week data engineering bootcamp, which began with an intensive focus on mastering the foundational principles of JavaScript and Python. The curriculum also incorporated Test-Driven Development techniques using Jest and Pytest. As the bootcamp progressed, participants gained practical experience in deploying projects on the AWS cloud using Terraform, while utilizing Postgres for effective database management with SQL. This immersive programme honed skills necessary to develop complete end to end data projects.

- Learning-An extensive boot camp with hands-on learning experience with effectively designed curriculum covering the core foundational concepts solidified with problem solving sessions and mini projects for end to end project management.
- Implementation-A wide range of tools covered in the curriculum along with repetitive usage of the same to give the utility of each for final implementation in a end to end project chosen individually.
- Collaboration-Every problem from mini projects to major project had a collaboration centric approach having pair programming and team projects all throughout the training programme.
- Project : Built an end to end project 'Data-Detox'. The project connects with a live database on RDS AWS and then builds an ETL pipeline with three different lambda functions deployed on AWS with terraform, automated with CI/CD pipeline. The ETL pipeline used patching of data at extraction end to finally refresh the dashboard at consumer end which was built on using Tableau.

### Quality Auditor

Mar 2023 - Aug 2023

*Salisbury Poultry*

- Audit & Compliance : Ensured compliance to Health and Safety regulations and industry standards through regular audits. Collaborated with cross-functional teams to identify improvement opportunities and implement corrective actions to meet quality standards.
- Collaboration & Communication : Acted as a liaison between quality assurance and production departments to streamline communication and ensure effective implementation of corrective and preventive measures.
- Quality Control : Implemented quality control measures at critical points along the production line, conducted thorough inspections and tests to maintain quality standards. Utilized data analysis to identify areas for improvement and enhance product quality and efficiency.
- Documentation : Developed Quality Audit specifications documentation for new customers, maintaining accurate records of quality inspections and corrective actions taken. Implemented standardized documentation templates to ensure consistent modelling across projects.

### Relocation

Jul 2022 - Jan 2023

I had to relocate to England from India so there was paper work along with other formalities and then some duration of job search which was done during this phase.

## Territory Parts Sales Manager

Aug 2020 - Apr 2022

Hero Motocorp Ltd

- Channel Management : Managed the operations of 7 distribution points to optimize for reach and range. Introduced 2 new distributors to expand the market presence. Monitored and analyzed 12 key performance indicators to drive revenue growth and improve business outcomes.
- Business Development : Provided strategic business consultancy to the distribution channel, focusing on financial management, return on investment analysis, process optimization, inventory management, margin analysis, and credit risk assessment. Implemented initiatives to enhance operational efficiency and maximize profitability.
- Data-Driven Decision Making : Utilized quantitative analysis and data-driven insights to inform strategic decision-making. Conducted comprehensive analysis of historical data to identify trends, and opportunities for business growth. Defined and analyzed key business parameters to ensure long-term sustainability and competitive advantage.
- Channel Sales : Developed and executed sales strategies to capture market share for new products, including successful campaigns for engine oil products. Implemented customer retention strategies and acquired new customers to drive sales growth and market expansion.
- Team Management : Led a team of 7 channel partners, providing guidance and support to achieve monthly and quarterly sales targets.

## Projects

### Netflix Tableau Dashboard

Aug 2023 - Sep 2023

The Netflix interactive dashboard is based on raw data of different TV shows and movies as OLTP database. The dashboard depicts analytical graphs quantified by categories with regards to rating, genre, country. Additionally there is individual description with different labels for individual content which can be filtered by user.

### Video Games Sales Tableau Dashboard

Aug 2023 - Sep 2023

The Sales interactive dashboard depicts different analytical graphs categorising video games sales revenue in Millions into different publishers, genres. The filter has been added for user query for Zonal wise sales including the Global net sales for each graphs. Additionally user can filter out Sales data for all graphs on dashboard by manually choosing any custom defined relevant period on the timescale.

## Core Skills

JavaScript, Lambda, RDS, Cloudwatch, IAM, AWS API usage via command line and, SDK, CI/CD (Github Actions), Jest, Pytest, Postgres, warehouse design-Design, Patterns-Star Schema warehouse, data lake, Lakehouse, mesh, Trello, MS Excel, Excel VBA, Python, AWS, EC2, Terraform, Devops, Test Driven Development, SQL, Normalization, Agile, Tableau, Data Modelling, Data Architecture, Data Storage, Statistical Methods, Qualitative Analysis, Sales Performance, Sales Penetration, Business Performance, Study Design, Planning, Forecasting, Enthusiastic, Effective Team Player, Ability to communicate, Business Opportunities, Business Process, Key insights, Performance Reports, Performance Reviews

## Education

### Coursera

Jun 2022 - Oct 2022

Data Analytics

### Dr.B.R Ambedkar National Institute of Technology

Jul 2016 - Jun 2020

**Bachelor of Technology** Mechanical Engineering  
GPA 7.47

## Languages

