

# Rishob Ghosh

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## 📋 OBJECTIVE

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To obtain a challenging position as a Data Analyst in a reputed organization where I can utilize my skills in data analysis and visualization to contribute to the growth of the company.

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## 📁 PROFESSIONAL EXPERIENCE

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### Data Analyst, SwissRe ☑

Jan 2021 – present  
Bengaluru, India

- Utilized statistical data analysis techniques to identify trends and patterns in claims processing data, including using regression analysis and correlation analysis to identify relationships between variables.
- Developed and tested statistical models to predict the likelihood of claims being approved or rejected, which improved the accuracy of claims processing by 15%.
- Analyzed the impact of various factors on claims processing time and identified opportunities to streamline the process, resulting in a 20% increase in efficiency.
- Worked with Power BI to develop custom dashboards to monitor key performance metrics for the claims processing team, including processing time, accuracy, and throughput.
- Participated in a project to automate the document classification process using statistical data analysis and machine learning techniques, resulting in a 30% increase in efficiency.
- Used Python to clean, transform, and analyze large and complex data sets, including creating custom functions and scripts to automate data processing tasks.
- Wrote SQL queries to extract and manipulate data from relational databases, including MySQL and SQL Server.
- Developed and maintained Excel spreadsheets and macros to support data analysis and reporting.
- Created pivot tables, charts, and other data visualizations in Excel to help communicate complex data insights to non-technical stakeholders.
- Built Python-based automation tools to streamline data processing and analysis workflows, reducing processing time by up to 50%.
- Conducted data analysis using Python and SQL to support various business initiatives, including identifying potential fraud in claims data and optimizing pricing strategies for insurance products.

### Associate, Amazon

Aug 2019 – Dec 2020  
Bengaluru, India

- Coordinating with the Data Management Team and IT Team to ensure accurate and up-to-date employee records
- Leveraging MS Excel to organize, analyze and report HR data, including employee attendance records, payroll data, and performance metrics
- Conducting audits on employee records and HR systems to identify discrepancies and improve data accuracy

### Business Development Associate, Byju's Think & Learn Pvt. Lmt. ☑

Jan 2019 – Jul 2019  
Bengaluru, India

- Utilized MS Excel to analyze and track sales data, including lead generation, sales conversion rates, and revenue growth.
- Created and managed a database of prospects and customers using MS Excel, ensuring all relevant contact information and interactions were properly documented and easily accessible.
- Used MS Excel to forecast sales projections and set achievable targets for the sales team.
- Collaborated with the marketing team to develop targeted campaigns based on data analysis and customer insights obtained through MS Excel.
- Developed and implemented strategies to increase sales effectiveness, using MS Excel to measure their impact and adjust as needed.

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## PROJECTS

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### Smart Claims Triaging with Predictive Analytics

Feb 2022 – Aug 2022

- Achieved a 30% reduction in claims processing time by implementing predictive analytics models using Python, resulting in faster claim resolutions and improved customer satisfaction.
- Prioritized high-risk claims using predictive analytics, leading to a 25% decrease in potential losses and enhanced resource allocation efficiency.
- Developed interactive Power BI dashboards to visualize key performance metrics, enabling data-driven decision-making and achieving a 15% improvement in budget management.
- Utilized SQL queries to gather and preprocess historical claims data, ensuring accurate and reliable data for predictive modeling, resulting in a 20% increase in predictive accuracy.
- Collaborated with the claims department to seamlessly integrate predictive analytics insights into the claims workflow, facilitating smooth adoption and usage by claims handlers.

### Pricing & Risk Analytics

Jan 2023 – Jun 2023

- Achieved a 20% improvement in risk selection accuracy by leveraging firsthand data insights from social media, smart devices, and customer interactions, resulting in reduced claim losses for P&C insurers.
- Utilized Python for predictive analytics to develop pricing strategies based on actionable insights from diverse data sources, leading to a 15% increase in underwriting profitability.
- Integrated SQL to gather and process large volumes of IoT data, approximately 10 MB per household per day, enabling real-time risk monitoring and responsive decision-making.
- Created interactive Power BI visualizations to present data-driven pricing insights, contributing to more customer-centric pricing strategies and an 18% improvement in customer satisfaction.
- Developed scalable data infrastructure to support future growth and expansion, ensuring efficient handling of data for ongoing pricing and risk selection optimization.

### Exploratory Data Analysis, (EDA) for Netflix

- Analyzed a dataset of Netflix, focusing on critical KPIs and campaign affecting factors.
- Used Python libraries such as NumPy and Pandas to conduct exploratory data analysis on a dataset of Netflix, identifying the most-watched genres and top-rated TV shows
- Helped to find the Most wanted TV shows and Movies on this OTT platform
- Distribution of Ratings to the TV shows
- Highest-watched genres on Netflix

### Dashboarding, ODI\_Cricket\_Match

- Shaped the project flow with the team members after comprehending all of the features and records from the dataset
- The dataset was loaded into Microsoft Excel and modified with Power Query Editor
- Data cleaning methods were used to eliminate outliers and other abnormalities from the dataset, and missing values were handled
- Utilized many essential functions and created formulas
- Developed a user-controlled sales dashboard on Microsoft Excel to assess sales by product category, including histograms and clustered bar charts for visualization

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## SKILLS

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**SQL** (My SQL, Azure SQL) | **Python** (Numpy , Pandas)

**Power BI** (Data Visualization, Dashboards, Bar Chart, Line Chart, Scatter Plot, Heat maps, combined charts, bookmarks, report interfaces, slicers/filters, themes, animations)

**Snowflakes** (Cloud Technologies) | **Microsoft Excel** (Pivot Table, Macros , VBA) | **Statistical Data Analysis**


**Exploratory Data Analysis** (EDA) | **Azure analysis services (AAS)** | **Microsoft Azure** (Cloud Technology)

**Tableau** (Charts, graphs, maps, dashboards, Data visualizing and analyzing data) | **Azure data factory** (SharePoint)

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## EDUCATION


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**Bachelor of Engineering (B.E.),** *Global Academy of Technology* 

Aug 2014 – Aug 2018

- Pressured Mechanical Engineering from Visvesvaraya Technological University and got 72%

Bengaluru, India

**Schooling,** *St Mary's English High School* 

Apr 2012 – Apr 2014

- 12th I Scored 74%


Jamshedpur, India


- 10th I scored 78 %

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## CERTIFICATIONS

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- Full Stack Data Analytics (Ineuron.ai) 

- Data Science Orientation (Coursera) 

- Machine Learning (Stanford University) 