

*Data Scientist and Analytics Consultant with 4 years of experience building scalable data products across insurance, risk, and marketing analytics. Recently wrapped up a MSc in Business Analytics at National University of Singapore with hands-on experience at Zurich Insurance (Singapore) and EXL Service (India). Proven track record of delivering end-to-end analytics platforms, automated data pipelines, and machine learning solutions that reduce operational effort, accelerate decision-making, and drive measurable business impact. Strong expertise in Python, SQL, cloud platforms, and GenAI/LLM-powered systems, with a strong stakeholder-facing mindset.*

EDUCATION

<b>NATIONAL UNIVERSITY OF SINGAPORE</b> <i>Masters of Science in Business Analytics</i>	SINGAPORE Jul 2024 - Sep 2025
<b>PEC UNIVERSITY OF TECHNOLOGY</b> <i>Bachelors of Technology in Electrical Engineering</i> <ul style="list-style-type: none"><li>Awarded Institute Color; Certificate of Excellence; Certificate of Appreciation</li></ul>	INDIA Aug 2017 - Jun 2021

EXPERIENCE

<b>ZURICH INSURANCE (Data Science Intern)</b> <i>Technologies Used: Power BI, Python, Azure Databricks &amp; Logic Apps Workflows, ERP Systems</i> <ul style="list-style-type: none"><li>Led the design and implementation of insurance risk dashboards, improving underwriting and risk visibility, along with cross-functional transparency, reducing risk exposure by <b>35%</b> and accelerating decision-making by <b>60%</b></li><li>Automated end-to-end insurance reporting and data pipelines, significantly improving data accuracy and delivery speed while enabling real-time KPI monitoring and reducing manual effort with reporting turnaround time across finance &amp; risk functions</li><li>Collaborated with cross-functional teams and drove end-to-end delivery of analytics solutions &amp; products by leading requirements gathering, configuration and development, ensuring seamless stakeholder adoption across cross-functional teams</li></ul>	JULY 2024 - SEP 2025, SINGAPORE
<b>EXL SERVICE (Consultant)</b> <i>Technologies Used: Tableau, Python, Excel, SQL, Snowflake, Spark, Hadoop</i> <ul style="list-style-type: none"><li>Led data-driven pricing and performance analytics for monthly insurance marketing campaigns, leveraging data-driven monitoring and visualisation to improve buyer outreach by <b>40%</b> and enhance overall user satisfaction</li><li>Designed and implemented a structured direct mail marketing process for insurance with financial and performance scoring, data suppression controls, and crafted multi-channel offer strategies to improve targeting precision and operational efficiency</li><li>Conducted ad-hoc and cycle-based analytics to refine marketing strategies in real time, reducing process completion time by <b>40%</b> and streamlining operations into a single-owner workflow</li><li>Applied clustering and trend analysis to segment customers and identify key behavioural drivers, increasing conversion rates by <b>20%</b> and strengthening customer engagement</li></ul>	Jan 2023 - Jul 2024, INDIA
<b>EXL SERVICE (Business Analyst)</b> <i>Technologies Used: Tableau, Python, Excel, SQL, Snowflake, SAS, ERP Systems, Spark, Hadoop</i> <ul style="list-style-type: none"><li>Led ETL processes and automation of <b>20+</b> insurance dashboards and reports enhancing efficiency by <b>80%</b>, reducing manual intervention and processing time by <b>50%</b>, improving scalability and efficiency</li><li>Recognised with the <b>EXL Client Recognition Award</b> for outstanding contribution and successful delivery of large-scale transformation initiative</li></ul>	Jul 2021 - Dec 2022, INDIA
<b>ZENATIX SOLUTIONS (Business Analyst Intern)</b> <i>Technologies Used: Tableau, Python, ETL pipelines, Excel, SQL, ERP Systems</i> <ul style="list-style-type: none"><li>Developed and optimised real-time sales data pipelines, enabling lead scoring, sales forecasting, and up to <b>25%</b> increase in conversion rates and solution development</li><li>Automated analytics workflows to cut operational time by <b>60%</b> and boost data processing speed <b>4x</b>, improving client uptime</li></ul>	Jan 2020 - May 2020, INDIA

RESEARCH PROJECTS

<b>NATIONAL UNIVERSITY OF SINGAPORE</b> <ul style="list-style-type: none"><li>Facilitated research on AI Shock through <b>A/B testing</b> of AI outage data, developing treatment and control frameworks to measure user outcomes</li></ul>	SINGAPORE
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ACADEMIC PROJECTS

<b>NATIONAL UNIVERSITY OF SINGAPORE</b> <ul style="list-style-type: none"><li>Spearheaded development of SamurAI, a <b>GenAI chatbot</b> for dementia care, improving cognitive engagement scores by <b>40%</b> through <b>ResNet</b> emotion detection, <b>WhisperX</b> speech detection and Gemma-powered <b>RAG</b>, leveraging LLM and API deployment for enhanced functionality</li><li>Collaborated CardShield, a <b>credit card fraud detection system</b> using <b>CatBoost</b> with Random Oversampling and advanced feature engineering, integrated a large language model interface to deliver real-time fraud insights and deployed using MLOPs and DevOps principles</li><li>Innovated a <b>distracted driver detection system</b> using advanced deep learning models (<b>YOLOv8</b>, <b>ResNet50</b>), improving real-time identification of risky behaviours, enhancing driver safety and enabling accident prevention and deployed using MLOPs and DevOps principles</li><li>Developed a <b>Tableau dashboard</b> analysing customer preferences, dish profitability, and demographics to identify high-potential outlet locations, driving <b>20%</b> projected revenue growth and <b>15%</b> marketing efficiency improvement</li></ul>	SINGAPORE
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SKILLSET

<ul style="list-style-type: none"><li>Data &amp; Cloud Technologies: Python, SQL, Snowflake, SAS, Tableau, Power BI, Cloud Platforms (Azure Databricks, AWS), Microsoft Excel, Large Language Model Ecosystems (OpenAI, Anthropic), Agentic Frameworks, MLOps/LLMOps, Spark, Hadoop, ERP Systems</li><li>Machine Learning &amp; GenAI: Machine Learning, Deep Learning, ETL Pipeline Development, Chatbot Development, Model Context Protocol, RAG Pipelines, Operations Research, Data Engineering, Supervised Learning, Unsupervised Learning, GenAI, Regression &amp; Time Series Analysis, Neural Networks (CNN, RNN), Natural Language Processing (NLP), Prompt Engineering, Blockchain &amp; Smart Contracts Analytics</li><li>Analytics &amp; Business Skills Stakeholder Management, Cross-Functional Collaboration, Casual Inference, Hypothesis Testing, Predictive Analytics, Econometrics</li></ul>
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CERTIFICATIONS

<ul style="list-style-type: none"><li>Great Learning Bootcamp: Python, SQL, SAS, Machine Learning, Deep Learning, Tableau</li><li>Anthropic: Basic &amp; Advanced topics for Model Context Protocol</li></ul>
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