

Harsh Agrawal

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PROFILE

Decision Scientist with 4 years of experience in analyzing large dataset and coming up with data-driven insights across Banking & Insurance domains for various clients, instrumental at devising effective strategies for data collection, analyzing information, conducting research, and deliver worthy analytic solutions to enhance services

EXPERIENCE

Mu Sigma, Bengaluru (Oct'19 – May'23) | Apprentice Leader

Australian Bank and Insurance

Reinsurance Pools for Cyclone, Apprentice Leader/Senior Decision Scientist | SQL, Data Engineering, Redshift, Jenkins

1. Helped the client to meet regulatory requirements of introducing Australian Reinsurance Pool for Cyclones insurance coverage by identifying the property risk for individual, strata and small business
2. Lead a **team of 5** members to perform analysis & developed required data assets that satisfies the compliance prescribed by ARPC – Accurate portfolio and operational reporting to the business
3. Analyzed and identified asynchronized Corporate Property policy assets that would directly impact **~750M AUD** amount uninsured

Digital Sales and Automate Quote Capability, Senior Decision Scientist | SQL, Data Engineering, Redshift, BMC Control-M, AWS Cloud

1. Enabled digital sales capability & automated online quote capability for Bikes & Car products which resulted in significant benefit of **~0.9M AUD** for Q4 FY22
2. Engaged with Senior Stakeholder, analyzed multiple data stage and designed the data pipeline to derive the key decisions for the target customers owing Classic Vehicles and initiated updates to systems, enhancing workflows and adding new functionalities
3. Performed end to end development to fulfill the business requirements and automate the quote generation for the Motor Vehicles which enhanced the Digital Sales

Bank Design & Distribution Obligations, Decision Scientist | SQL, Data Engineering, Redshift, Jenkins

1. Designed & introduced a new approach to consumer protection, by moving away from relying on disclosure as the main form of protection and introducing new measures to ensure that the products are distributed to targeted customers for whom they are designed for
2. Lead a **team of 4** members to provide an analytical dashboard to enable business to monitor that the Target Market Definitions were appropriately defined which reduced time consumption and manual efforts
3. Developed a reliable and scalable BI solution that established a defensible framework to validate the product was suitable and added value to the customers

Life Insurance Analytics, Data Engineer | SQL, Python, Jira, IBM Toad DB2

Helped the largest Australian General Insurer migrate their data platforms within time and budget constraints post their Life insurance divestment (**~15 data sources**) complying with regulatory responsibilities & saving **2.5M – 2.7M AUD**

SKILLS

- SQL, Python, R, Shell Script, Groovy
- Data Engineering
- Data Warehousing Concepts
- AWS - Redshift, S3, Data Migration Services (DMS)
- Exploratory Data Analysis, Power BI
- BMC Control-M, Jenkins
- IBM - Change Data Capture, Netezza, Toad DB2
- MS Office - Word, Excel, PowerPoint
- Github
- Team Lead, Team Player, Bias for action, Deliver results
- Communication

QUALIFICATION

Bachelor of Technology : Computer Science & Engg. , 2019

SRM University - Chennai

- CGPA - 9.01

AWARDS & RECOGNITION

Impact Award

- "Harsh has played a key role in unlocking digital capabilities for the client as a part of a major Mu Sigma engagement. His resourcefulness and bias for action were instrumental in ensuring project success."

Spot Award: 4

- **Sep'20** - "For out of box thinking that helped solve a critical problem, complete it faster and deliver within the agreed timelines. Harsh is rightly appreciated across the team and by the clients."
- **Sep'21** - "Harsh has shown diligence and strength in taking complete ownership for his workstream. We admire his excellent technical skills, quality work and adherence to deadlines. His contribution and support to the team in tough times was remarkable. Keep up the good work!"

Client's Appreciation

- **EM Insights Platform** – "Thank you Harsh for stepping up and taking on the task single-handedly. Your dedication and effort are truly admirable, and I am grateful for all that you have done. "