

Rina Tanaka — Data Analyst

Years of Experience: 9

PhD in Electrical Engineering

RINA TANAKA

DATA ANALYST

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SUMMARY

Accomplished Data Analyst with 9 years of experience across leading technology firms in Asia-Pacific, specializing in deriving actionable insights from complex datasets through advanced analytics, machine learning, and data visualization. Holds a PhD in Electrical Engineering with a focus on signal processing and data-intensive research, and a track record of driving data-driven strategies that improve operational efficiency and revenue growth.

SKILLS

Data Analysis, SQL, Python, R, Machine Learning, Statistical Modeling, Data Visualization, Tableau, Excel, Big Data, Hadoop, Spark, Data Cleaning, Data Warehousing, SQL Server, Oracle, Power BI, Data Mining

- Collected, cleaned, and analyzed large datasets to support business decision-making.
- Developed SQL queries and automated reporting dashboards using Tableau.
- Collaborated with cross-functional teams to translate business requirements into analytical insights.
- Led a team of analysts to deliver predictive maintenance models for manufacturing equipment.
- Implemented machine learning pipelines in Python, resulting in a 15 % reduction in downtime.
- Presented findings to senior executives and contributed to strategic product planning.
- Designed and deployed end-to-end data science projects for consumer electronics market segmentation.
- Applied advanced statistical techniques in R to forecast sales and optimize inventory.
- Coordinated with data engineering teams to integrate Hadoop and Spark for scalable analytics.
- Oversaw a team of 10 analysts to provide real-time analytics for network performance.
- Developed a recommendation engine using collaborative filtering to enhance customer retention.
- Implemented Power BI dashboards that reduced report generation time by 40 %.

EDUCATION

PhD, Electrical Engineering | National University of Singapore | Singapore | 2014