Kunal Tajane

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Experienced data and artificial intelligence professional with 7+ years of hands-on experience in designing, building, and deploying scalable data solutions. Passionate about leveraging technology to drive innovation and solve complex problems, I combine a strong technical foundation with a deep interest in finance and emerging technologies.

Core Competencies / Skill Set

Artificial Intelligence, Machine Learning, Deep Learning, Statistical Learning, Data Mining, Predictive Modelling, NLP, Time Series, A/B Testing, Platform Monitoring, IIoT & Analytics, Python, SQL, Power BI, Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch, Matplotlib, Seaborn, Hadoop, PySpark, Hive, Advance Excel, ETL, Data Warehousing, Data Pipeline, Stakeholder & Incident Management.

Experience

Senior Data Scientist, Jet2.com and jet2holidays   Aug 2024 – Present

- Developed an A/B testing framework to evaluate a GenAI-based dynamic flight pricing model, enabling data-driven measurement of revenue impact and pricing elasticity, and improved decision-making by providing statistically robust insights for model adoption and scalability. Validated model uplift to 1% in revenue per seat.
- Designed a margin differentiation to separate flight-only and holiday package impacts, feeding it into a GenAI pricing engine to improve flight seat price optimization.

Data Scientist, Axis Bank   Dec 2022 – Aug 2024

- Designed and implemented a comprehensive credit card profit score (CCPS) framework utilising big data tools i.e. PySpark, Hive, Hadoop. This helped improve actionable areas for customer credit card spending and facilitating data-driven customer segmentation and target strategies.
- Developed B-score scorecard model for revolver customer segment and created logic to allocate revenue and cost components to all credit card customers, resulted in enhanced financial visibility and enabled strategic decision making process.
- Developed wheels' valuation (auto loan) model using vintage data for recent quarter, QoQ and YoY using discounted cash flow method with time series forecasting (forecasted NPA's and prepayment) to get the lifetime value of the sourcing.

Associate Data Scientist, Ecolab   Jun 2019 – Nov 2022

- Designed and developed machine learning model to predict remaining useful life of the industrial RO membrane, solution integrated with digital platform generating annual revenue of USD 2.2M.
- Developed Legionella (bacteria) growth risk predictive model for cooling applications using LIMS data, E-data, sensor data & weather data, helped generate revenue of USD 14M.
- Created robust processes to monitor digital and cloud platforms incl. data flow through azure service bus, azure web jobs and functions, adf pipelines, exception monitoring & database utilisation.
- Created & deployed customised asset performance & water consumption reports for hospitality & healthcare sectors.

Budget Controlling, Analytics Apprentice Trainee, Volkswagen India   Oct 2017 – Oct 2028

- Developed power BI dashboard of packaging cost for PCB (parts & component business) by completing physical, system mapping & CBM analysis at kit level, this served to prepare outbound logistic budget, checklist purpose and material write-off.
- Created costing model for Jigs & fixtures, VW PT (Production Technique) business using cost-plus pricing method, helped reduce irregularity in final shippable product.
- Accurate forecasting of future costs after discussion with CC to anticipate any cost overrun / saving.
- Created Power BI dashboard to fetch c-price of part i.e. inbound cost incl. material cost, packaging cost, freight cost, custom and antidumping duties.

Education

Savitribai Phule Pune University, Bachelor's in Chemical Engineering   Jul 2013 – May 2017

Accolades

- Recognised by President for CCPS Framework Implementation, 2023.
- Power of One, Group Award 2022.
- R&R H2, Game Changer Award 2020.
- LOCI iOwn, Ownership Award 2020.

Certifications

- Machine Learning Specialisation by Stanford University.
- IBM Certified Data Architect - Big Data.
- Microsoft Certified: Azure Data Scientist Associate.
- Microsoft Certified: Azure AI Fundamentals.
- Microsoft Certified: Azure Data Fundamentals.
- Microsoft Certified: Azure Fundamentals.