

RAHUL KUMAR SHARMA

Data Science & AI Strategy Leader | Digital Transformation | PMP Certified
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PROFESSIONAL SUMMARY

Results driven Lead Data Scientist and AI Strategy Leader with 15+ years of experience delivering enterprise grade AI, Machine Learning, and Digital Transformation solutions across the UAE, GCC, and international markets. Proven track record within Energy & Utility, Airlines, and IT sectors, with deep expertise in building scalable data platforms, predictive analytics frameworks, and intelligent automation systems. PMP certified leader with demonstrated ability to engage C-suite stakeholders, lead multicultural teams, and align technology initiatives to Vision 2030 and UAE Net Zero 2050 strategic goals.

KEY ACHIEVEMENTS

- Reduced operational costs by ~20% through enterprise cloud modernization on Microsoft Azure at Tabreed (Abu Dhabi).
- Delivered 70%+ productivity gains by spearheading RPA and intelligent automation initiatives across enterprise workflows.
- Built AI-powered digital assistants that improved real-time workflow efficiency by 35%+ across business units.
- Designed AI boarding forecast engine at Emirates Airlines improving operational planning accuracy by 15%+.
- Strengthened enterprise data governance, improving data quality and compliance metrics by 15%+ at Tabreed.
- Developed AI-driven stock forecasting models at Dion Global, improving financial decision-making accuracy by 10%+.

WORK EXPERIENCE

Lead Data Scientist (Manager) | National Central Cooling Company – Tabreed PJSC Sep 2021 – Present

Abu Dhabi, UAE | Energy & Utility | Full-Time

- Led enterprise AI and digital transformation strategy, aligning data science roadmap with corporate objectives and UAE national innovation priorities.
- Architected cloud infrastructure on Microsoft Azure, reducing operational costs by ~20% and improving scalability across business units.
- Implemented UiPath RPA-driven automation across 12+ key business processes, improving productivity by over 70%.
- Championed enterprise Tableau / BI frameworks delivering real-time dashboards and executive insights, boosting decision efficiency by 30%+.
- Developed and deployed AI-powered digital assistants enabling real-time data access, improving workflow efficiency by 35%+.
- Established data governance policies ensuring regulatory compliance and lifting data quality standards by 15%+.

- Built, managed, and mentored high-performing cross-functional data science and engineering teams.
- Engaged C-level executives to embed a data-driven culture, driving competitive advantage and revenue growth.

Lead Data Scientist | Emirates Airlines

May 2018 – Aug 2021

Dubai, UAE | Aviation | Contract

- Designed and deployed an AI-powered passenger boarding forecast engine, improving operational planning by 15%+.
- Optimized bulk booking systems using predictive analytics, enhancing resource allocation accuracy by 10%+.
- Integrated AI models and RPA with core operations, driving workflow automation efficiency by 40%+.
- Automated data processing pipelines, reducing manual effort and accelerating insight delivery by 30%+.
- Migrated applications to Azure cloud, ensuring scalability, performance, and regulatory compliance.
- Strengthened security and fraud detection systems using AI, improving compliance by 10%+.

Data Scientist | Dion Global Solutions

Dec 2015 – Mar 2018

India | Financial Technology | Full-Time

- Developed AI-powered stock market forecasting models, improving predictive accuracy and decision-making by 10%+.
- Designed interactive Power BI data visualization dashboards, enhancing reporting efficiency by 20%+.
- Integrated AI-driven financial risk analysis tools, strengthening risk mitigation by 15%+.
- Led end-to-end data science project delivery from requirements gathering through deployment.

Lead Engineer | HCL Technologies (Microsoft Corporation)

Dec 2013 – Dec 2015

India | Information Technology | Full-Time

- Led engineering initiatives supporting Microsoft product development, delivering scalable software solutions.
- Contributed to cross-functional agile teams, driving iterative product delivery and process improvement.

Software Engineer – Senior Software Engineer | Ceres Infotech | Yebhi.com | Policybazaar.com

Jan 2010 – Dec 2013

India | E-Commerce & Insurtech | Full-Time

- Progressed from Trainee to Senior Software Engineer, contributing to web application development and data systems.

SOFT SKILLS

- Leadership & Team Management: Cross-functional team leadership, mentoring, stakeholder management
- Communication: Public speaking, presentation skills, active listening, business storytelling
- Strategic Thinking: Digital transformation strategy, problem-solving, decision-making
- Project Execution: Agile mindset, time management, prioritization, risk management
- Collaboration: Cross-team coordination, conflict resolution, relationship building
- Adaptability: Change management, continuous learning, innovation mindset
- Analytical Thinking: Critical thinking, data-driven decision making
- Emotional Intelligence: Empathy, self-awareness, interpersonal skills

TECHNICAL SKILLS

- AI & Machine Learning: Python, Scikit-learn, TensorFlow, Keras, NLP, Generative AI, Computer Vision, Deep Learning
- Data Engineering: Azure Data Lake, Databricks, ETL/ELT, SQL Server, Oracle, NoSQL, Data Warehousing
- Cloud Platforms: Microsoft Azure, AWS
- Business Intelligence: Power BI, Tableau, Data Visualization, Reporting
- Automation & RPA: UiPath, Process Optimization
- Programming: Python, SQL, C# (.Net), JavaScript, HTML, CSS, REST API
- Project Management: PMP Certified, JIRA, Agile, Scrum

EDUCATION

- MBA – Golden Gate University, San Francisco, USA (2024)
- MSc Data Science & AI – Liverpool John Moores University, UK (2022)
- PG Diploma in Data Science & AI – IIT Bangalore, India (2021)
- MCA – Dr. A.P.J Abdul Kalam Technical University, India (2010)
- BSc Mathematics & Statistics – CCS University, India (2006)

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Project Management Professional (PMP) – PMI Certified
- Artificial Intelligence Foundations: Machine Learning
- Python for Data Science and Machine Learning
- Foundations of Industry 4.0 – Fourth Industrial Revolution
- Critical Thinking for Better Judgment and Decision-Making

ADDITIONAL INFORMATION

- Languages: English (Fluent), Hindi (Native)
- Visa Status: UAE Resident – Available for immediate interviews
- Open to: Abu Dhabi | Dubai | GCC Region