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**Location:** Bangalore, India

**Senior Data Science Executive | AI & ML Leader | Data Strategy & Innovation**

Highly accomplished Data Science leader with **18+ years of experience** in developing and deploying **AI/ML solutions at scale**. Proven track record in **data-driven business transformation, predictive analytics, NLP, and AI automation** across diverse industries. Adept at **leading cross-functional teams, architecting data platforms, and driving innovation** to optimize business processes and enhance decision-making.

**Professional Experience**

**Chief Data Scientist | ABC Financial Services Ltd.**

**Bangalore, India | Jan 2020 – Present**

* Spearheaded the development of an **AI-driven risk assessment platform** reducing fraudulent transactions by **38%**.
* Implemented **reinforcement learning-based algorithmic trading models**, leading to a **24% increase in portfolio returns**.
* Designed a **customer churn prediction model** for wealth management services, achieving **94% accuracy**.
* Established a **company-wide AI/ML Center of Excellence (CoE)**, training over **200+ data professionals**.
* Led **MLOps automation**, reducing model deployment time from **3 weeks to 2 days**.
* Collaborated with regulatory bodies to ensure AI solutions aligned with **compliance frameworks**.

**Director - Data Science & AI | XYZ Retail Analytics**

**Mumbai, India | Jun 2015 – Dec 2019**

* Designed an **AI-powered demand forecasting model**, optimizing inventory and reducing stock-outs by **22%**.
* Led an **NLP-driven customer sentiment analysis** for personalized promotions, boosting sales by **18%**.
* Implemented **AI-based fraud detection for e-commerce transactions**, reducing losses by **26%**.
* Established **real-time analytics pipelines using Apache Kafka and Spark Streaming**, improving decision speed by **40%**.
* Built a **predictive pricing engine**, improving profit margins by **12%**.
* Managed and mentored a team of **30+ data scientists and engineers**.

**Lead Data Scientist | PQR Healthcare Solutions**

**Hyderabad, India | Apr 2010 – May 2015**

* Developed a **predictive healthcare analytics system** to reduce hospital readmission rates by **30%**.
* Created an **AI-driven medical imaging diagnosis system**, improving accuracy by **17%**.
* Built an **early disease detection model** using deep learning, deployed in **100+ hospitals**.
* Led data governance and compliance efforts in **HIPAA-regulated environments**.

**Senior Data Analyst | MNO Telecom Ltd.**

**Delhi, India | Jul 2006 – Mar 2010**

* Developed **churn prediction models** reducing customer attrition by **21%**.
* Designed **dynamic pricing models for telecom plans**, increasing revenue by **14%**.
* Built **real-time network anomaly detection models**, reducing downtime by **35%**.

**Education**

**Bachelor of Technology (B.Tech) - Computer Science & Engineering**  
**Indian Institute of Technology (IIT) Delhi**  
**Graduated: 2006**

**Key Skills & Competencies**

* **AI & Machine Learning:** Deep Learning, NLP, Reinforcement Learning, Computer Vision
* **Big Data & Cloud:** Hadoop, Spark, Kafka, AWS, Azure, GCP
* **MLOps & Automation:** CI/CD for ML, Model Monitoring, Data Pipelines
* **Programming:** Python, R, SQL, Scala
* **Visualization & BI:** Power BI, Tableau, Looker
* **Leadership & Strategy:** AI Governance, Data Monetization, AI Transformation
* **Regulatory Compliance:** GDPR, HIPAA, RBI Guidelines

**Certifications & Training**

* **AWS Certified Machine Learning – Specialty** (2022)
* **Google Professional Data Engineer** (2021)
* **Certified AI & ML Executive Program** – IIM Bangalore (2019)
* **Advanced Deep Learning Specialization** – Coursera (2018)

**Publications & Patents**

* **Patent:** AI-driven Personalized Financial Advisory System (Filed, 2023)
* **Publication:** “Optimizing AI for Risk Management in FinTech” – IEEE AI Journal (2021)
* **Speaker:** AI Summit India 2022 – “Future of AI in Predictive Finance”

**Projects & Case Studies**

**AI-Driven Fraud Detection in Banking**

* Built a **real-time anomaly detection system** leveraging **graph-based AI and unsupervised learning**, reducing fraudulent transactions by **42%**.
* Integrated the solution with **real-time transaction monitoring pipelines** using **Kafka and Spark Streaming**.

**Healthcare AI for Disease Prediction**

* Developed a **Deep Learning-based disease prediction model** using **CNNs and LSTMs**, increasing early detection rates by **29%**.
* Partnered with **20+ hospitals** to deploy the solution on **AWS Cloud** with HIPAA compliance.

**AI-Powered Recommendation Engine for Retail**

* Created a **real-time recommendation engine** leveraging **Transformer-based NLP models** to personalize e-commerce experiences.
* Increased **average order value (AOV) by 22%** and enhanced user retention by **15%**.

**Awards & Recognition**

* **“Top 10 AI Leaders in India”** – Analytics India Magazine (2023)
* **“Best AI Innovation in FinTech”** – BFSI Tech Awards (2022)
* **“AI Leadership Excellence”** – NASSCOM AI Conclave (2021)

**Professional Associations**

* Member, **Association of Data Scientists (ADaSci)**
* AI Advisor, **FinTech AI Consortium**
* Mentor, **Deep Learning India Community**