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PROFESSIONAL SUMMARY

Results-driven Senior Data Scientist with 8+ years of experience designing and deploying machine learning models and analytics solutions in finance, healthcare, and retail domains. Expert in predictive analytics, deep learning, and big data engineering. Adept at driving cross-functional collaboration and mentoring data teams to achieve business milestones.

PROFESSIONAL EXPERIENCE

Senior Data Scientist FinTechX, San Francisco, CA | June 2020 – Present

- Designed, trained, and deployed a customer churn prediction model (XGBoost, PySpark) reducing churn by 18% and informing retention strategies.

- Managed a 6-member analytics team, overseeing credit risk, fraud detection, and time series forecasting projects.

- Spearheaded the migration of ETL pipelines to a cloud-based architecture (AWS Glue, Redshift), reducing data latency from hours to minutes.

- Collaborated with engineering to implement a model monitoring framework, ensuring long-term solution performance.

Data Scientist Retail Insights, San Jose, CA | July 2017 – May 2020

- Developed recommendation engines using collaborative and content-based filtering, boosting e-commerce cross-sell rates.

- Automated BI dashboards in Tableau and Power BI, providing real-time actionable insights for business managers.

- Implemented pricing optimization model using ARIMA and regression, increasing quarterly profits by over 10%.

Data Analyst MediHealth Solutions, Seattle, WA | Aug 2014 – June 2017

- Designed early-warning disease outbreak models for hospital systems using logistic regression and network analytics.

- Created data cleansing workflows in Python and SQL, standardizing healthcare records across disparate sources.

EDUCATION

M.S., Data Science – University of California, Berkeley **B.S., Computer Science** – University of Mumbai

CERTIFICATIONS

- AWS Certified Machine Learning – Specialty
- Data Science Professional Certificate – HarvardX
- Certified TensorFlow Developer – TensorFlow

TRAINING & SKILLS

- Deep Learning Specialization (Coursera – Andrew Ng)
- Python, R, SQL, TensorFlow, PySpark, Scikit-learn, Pandas, Tableau, Power BI
- AWS, Docker, APIs, Airflow, Agile, Git, RESTful Services

PUBLICATIONS & CONTRIBUTIONS

- "Predictive Modeling for Loan Default," SIGKDD, 2022 (Co-author)
- Speaker, Women in Data Science Conference (WiDS) 2023