SHRIYANSH SINGH

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WORK EXPERIENCE

Hyphenova AI **Los Angeles, California**

Machine Learning Intern *Apr 2024 - Present*

- Led cross-functional teams to deploy NLP-based content filtering algorithms, enhancing data analysis and improving user satisfaction by 15%.
- Optimized predictive models and refined algorithms, resulting in a 25% increase in brand-creator matching success rates and improved campaign performance.
- Enhanced model accuracy for underrepresented categories through SMOTE resampling techniques, increasing system reliability in handling data imbalance.
- Developed a high-performance data pipeline leveraging Apache Spark and AWS, reducing data processing time by 40% for real-time analytics.
- Implemented real-time data quality checks with custom validation scripts, elevating data reliability by 30% and minimizing analytics errors.

Enterprise Business Technologies Pvt Ltd **Mumbai, India**

Junior Business Analyst Intern *May 2022 - Oct 2022*

- Spearheaded the implementation of the OKR framework to align project strategies with business objectives, leading to a 25% increase in project completion rates.
- Revamped Power BI reporting systems by refining data models and automating processes, improving report reliability by 15% and accelerating generation time by 40%.
- Conducted market analysis using linear regression and forecasting methods, enhancing forecast accuracy by 18% and supporting a 10% revenue increase.

EDUCATION

Indiana University Bloomington **Indiana**

Master of Science in Data Science *Graduation Date: Date*

PROJECT EXPERIENCE

Fraud Detection in Financial Transactions

Project Developer *Jan 2024 - Present*

- Developed a real-time fraud detection system with Python, Scikit-learn, and XGBoost, achieving a 28% increase in detection accuracy and a 35% reduction in false positives through feature engineering and hyperparameter tuning
- Engineered transaction pattern recognition and anomaly detection features using unsupervised learning, increasing system reliability and reducing customer complaints by 40%
- Streamlined the model pipeline with Apache Spark, improving data processing efficiency by 40% and enabling the system to accommodate a 3x increase in transaction volume without any performance bottlenecks

Customer Churn Prediction for Telecom Industry

Project Developer *Aug 2023 - Present*

- Designed a customer churn prediction model with TensorFlow, Keras, and LSTM networks, leading to a 22% increase in customer retention by accurately identifying at-risk accounts
- Analyzed customer behavior using Pandas and SQL, improving model precision by 18% through correlation analysis and feature selection, enabling targeted retention strategies
- Deployed the model on AWS SageMaker, leveraging autoscaling and batch inference for scalable predictions, resulting in a 15% reduction in overall churn rate

SKILLS & INTERESTS

Skills: Scripting Languages: Python, R, SQL, NoSQL (MongoDB, Neo4j), Java, C/C++, Julia, GoLang, Scala, Bash; ML Toolkit: Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, Matplotlib, Hugging Face; Data Engineering: Hadoop, Spark, AWS (S3, EC2, Redshift, Lambda, Glue), GCP, Azure (Data Factory, Synapse Analytics),

Terraform, Docker, Kubernetes, Git, Databricks, Apache Kafka, Airflow, Pyspark; Analytical Tools: Alteryx, Tableau, Power BI, D3.js, Statistical Analysis, Time Series Analysis, A/B Testing.