

Prianka Sharma

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EDUCATION

Carnegie Mellon University

Master of Computational Data Science

Pittsburgh, PA

Aug. 2019 – Dec 2020

Indian Institute of Technology, Bombay

Bachelor of Technology in Computer Science

Mumbai, India

July 2015 – May 2019

EXPERIENCE

Senior Data Scientist

FinTech Global

Jan 2021 – Present

New York, NY

- Developed and deployed a fraud detection model using XGBoost and AWS SageMaker, preventing \$2M in fraudulent transactions annually.
- Led a team of 4 data scientists to build a customer churn prediction pipeline, improving retention rates by 15% via targeted interventions.
- Engineered a real-time recommendation system handling 10k requests/second using Apache Spark and Kafka.
- Collaborated with product teams to design A/B tests quantifying the impact of new features on user engagement.

Data Science Intern

HealthAI Inc.

May 2020 – Aug 2020

Boston, MA

- Analyzed patient electronic health records (EHR) to predict readmission risks using Logistic Regression and Random Forest models.
- Cleaned and preprocessed a dataset of 1M+ records using Pandas and NumPy, reducing missing values by imputation techniques.

PROJECTS

Stock Market Sentiment Analysis | *Python, NLP, BERT*

Sep 2020

- Fine-tuned a BERT model on financial news headlines to classify market sentiment with 89% accuracy.
- Built a dashboard using Streamlit to visualize sentiment trends alongside stock price movements.

Image Caption Generator | *TensorFlow, LSTM, CNN*

Apr 2020

- Implemented an encoder-decoder architecture with attention mechanisms to generate descriptive captions for images.
- Trained on the COCO dataset and achieved a BLEU score of 0.65.

TECHNICAL SKILLS

Languages: Python, SQL, R, Scala, Bash, C++

Machine Learning: PyTorch, TensorFlow, Scikit-learn, XGBoost, Keras, NLTK, Spacy

Big Data Cloud: AWS (S3, EC2, SageMaker), Spark, Hadoop, SQL, Snowflake, Docker, Kubernetes

Visualization: Tableau, PowerBI, Matplotlib, Seaborn, Plotly