

TUSHAR PANTHRI

+1 934-263-3282

tushar.panthri@stonybrook.edu

www.linkedin.com/

github.com/Kenpachi99

EDUCATION

Stony Brook University

Master of Science in Data Science

Guru Gobind Singh Indraprastha University

Bachelor of Technology in Electronics and Communication CGPA: 8.67/10

August 2024 – Present

Stony Brook, New York

August 2017 – June 2021

Paschim Vihar, Delhi

EXPERIENCE

Tata Consultancy Services

Assistant System Engineer

May 2022 – August 2024

Gurugram, Haryana

Client: American Express

October 2023 – August 2024

Data Analyst

Gurugram, Haryana

- Spearheaded a cross-functional collaboration with the Marketing Optimization Capability Analytics (MOCA) team, leveraging Marketing Mix Modeling (MMM) to analyze and quantify the impact of 15+ diverse marketing channels on credit card sales, resulting in a 22% increase in ROI and optimizing allocation of a \$1.5 million marketing budget.
- Generated and processed data for 18 channels in the U.S. commercial market utilizing Apache Hadoop Ecosystem
- Designed and optimized complex SQL queries, reducing data retrieval time by 40% and automating data quality checks, which improved data accuracy by 25% and saved 10 hours per week in manual review processes
- Spearheaded the creation of BI dashboards to provide insights on impact of marketing spend in the U.S. market, resulting in a 25% increase in Return on Advertising Spend (ROAS) and a 15% reduction in Customer Acquisition Cost (CAC)

Client: Ameriprise Financial

May 2022 – October 2023

Data Engineer

Gurugram, Haryana

- Led the design and optimization of ETL pipelines for the Global Asset Management team, integrating into a data lake hosted on AWS, achieving an 80% reduction in daily data loading time Implemented parallel processing and optimized query logic, boosting pipeline performance and throughput.
- Automated data transfer using REST APIs, eliminating manual data handling and reducing errors by 95% Increased data throughput by 25%, accelerating data updates and enhancing the timeliness of reports on the BlackRock Aladdin .
- Automated the execution of a curation script implementing AWS Lambda and CloudWatch for automated monitoring, logging, and alerting achieving 100% consistency in script execution
- Established robust data-quality checks and incident handling protocols, reducing incidents by 60% month-on-month

Nolta India Pvt Ltd

June 2020 – August 2020

Machine Learning Intern

Pitampura, Delhi

- Developed image caption generator leveraging computer vision and natural language processing (NLP) techniques
- Implemented advanced statistical methodologies, encompassing both descriptive and inferential techniques, to analyze 500,000+ data points, resulting in a 30% improvement in data-driven decision-making processes

PROJECTS

Portfolio Analysis using Streamlit | Python, Streamlit, PowerBI

January 2024

- Developed an interactive dashboard on Streamlit and Power BI to analyze fixed income portfolio holdings
- Delivered in-depth comparative insights between the US and European markets. Enabled multi-level data filtering based on Fitch rating, MSCI rating, and structure, and conducted a sub-sector distribution analysis

Colourizing Black and White images using GANS | OpenCV, TensorFlow, PyTorch

May 2021

- Engineered a GAN model with an enhanced loss function to effectively transform black and white images into color
- Implemented pix2pix architecture and trained U-Net model to significantly enhance color quality of the output

Image Captioning using Keras | Computer Vision, NLP, LSTM

November 2020

- Programmed algorithms such as CNN, RNN, and text processing, to generate image captions using the Flickr 8k dataset
- Converted images to feature vectors using a pre-trained InceptionV3 model and trained it using GloVe word embeddings

TECHNICAL SKILLS

Programming Languages and database : Python, C++, R, SQL, MongoDB, PostgreSQL, MySQL, AWS Redshift

Python Libraries: NumPy, Pandas, Matplotlib, Scikit-Learn, Keras, TensorFlow, PyTorch, Streamlit, NLTK

Technologies/Frameworks: AWS, GitHub, Jenkins, Kubernetes, Hadoop, Apache Airflow, Power BI, PySpark, Docker

CERTIFICATIONS

- Neural Networks and Deep Learning, deeplearning.ai
- AWS Certified Cloud Practitioner, Amazon
- Data Analysis with Python: NumPy & Pandas Masterclass, Udemy

October 2024
November 2023
November 2023