

RISHABH INDORIA

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EDUCATION

Northeastern University

Master Of Science in Information Systems

Boston, MA

Expecting May 2024

- Presented at AI Skunkworks' "Generative AI Deep Dive" workshop with the Institute for Experiential AI ([Watch Video](#))

Manipal Institute of Technology

Bachelor Of Technology in Information Technology

Manipal, Karnataka, India

Graduated July 2017

WORK EXPERIENCE

URJA.IO

New Delhi, India

Lead Data Scientist

February 2021 - August 2022

- Spearheaded development team in creating an analytics dashboard platform, resulting in a 25% increase in client engagement
- Achieved a 23% cost reduction by delivering 94% accurate machinery-failure predictions using fbprophet time series forecasting
- Built a customer churn model to retain Internet of Things business with a 70% recall and a Tableau prescriptive report feature
- Implemented a scalable distributed ETL/ELT pipeline infrastructure, enabling real-time time-series data collection and anomaly detection while minimizing data loss from structured or unstructured data generated by 2,000 IoT devices
- Saved 10 person-hours biweekly by efficiently communicating A/B test results to stakeholders via concise, automated reports

SOCIETE GENERALE GLOBAL SOLUTION CENTRE

Bengaluru, Karnataka, India

Software Engineer

July 2017 - March 2020

- Accomplished a 20% cost reduction and 30% acceleration of module implementation through streamlined REST API development and global Infrastructure as Code deployment using Terraform, Packer AMI, and Gitlab CI/CD
- Enhanced fraud detection by 17% by applying predictive modeling techniques to detect irregular transaction volume changes
- Improved risk management by 21% via identification of high-value transactions exceeding model forecasts

SKILLS

- Software Programming and Scripting:** Python, Spark, Java, SQL, Kafka, Linux, Numpy, Pandas, MATLAB, Algorithms
- Machine Learning:** Scikit-Learn, Multivariate Statistics, Supervised/Unsupervised learning, Bayesian Models, Statistical learning
- Deep Learning:** Tensorflow, Keras, PyCaret, PyTorch, Natural Language Processing (NLP), Large Language Models (LLM), Azure Computer vision, Convolutional neural network
- Web Development:** Flask, Streamlit, FastAPI, Node.js, Express.js, React.js, Nginx, Unicorn, HTTP chunked protocol
- Cloud:** Amazon Web Service (Ec2, IoT, S3, Lambda, Cloudwatch, Redshift), GCP, Git, Airflow, Terraform, SageMaker
- Data Warehouse:** Snowflake, Redis, Pinecone, InfluxDB, Telegraf, Hadoop, Hive, Databricks
- Data Visualization and Analysis Tools:** PowerBI, Tableau, ChartJS, Grafana Labs, MS Excel
- Business Skills:** Agile standup, Decision-making, Attention-to-detail, Fintech, Saas

PROJECTS

IMAGIGEN

Boston, MA

Northeastern University, Damg7245 - Big Data Systems and Intelligent Analytics

May 2023 - August 2023

- Developed an emotion-aware audio journaling app with voice tone analysis for precise emotional detection. Integrated mood chart visualization and prompt engineering to achieve a 20% increase in user retention ([GitHub](#))
- Led cross-functional teams making a contextual search tool for financial researchers. Used traditional filters, vector similarity, and hybrid search approaches to reduce information retrieval time by 50% ([GitHub](#))
- Created an Azure Computer Vision 4.0 diffusion model-based Model-as-a-Service (MaaS) solution, elevating search precision by 35% and processing speed by 40%, enhancing product search accuracy and image clustering speed ([GitHub](#))

ECONOMICS OF HAPPINESS | [GITHUB](#)

Boston, MA

Northeastern University, Info6105 - Data Science Engineering Methods

October 2022 - November 2022

- Conducted exploratory analysis using regression, classification, and AutoML to understand relationships between economic indicators and happiness index across 150 countries
- Performed hyperparameter tuning and SHAP analysis of impact of economic factors on happiness, gaining 15% more insights

CERTIFICATION AND AWARDS

- Best Performing Employee of the Year at the 2021 Urja.io Annual Awards for innovative project ideation
- Completed Bloomberg Market Concepts Certificate September 2023 ([View Certificate](#))