

Vishnu Srivastava

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EDUCATION

IIT, DELHI

PHD(PART-TIME)

YARDI SCHOOL OF AI

Research Area: Grounding in VLMs
Supervisor: Prof. Chetan Arora
Delhi, India

Jul'25 - Ongoing

UNIVERSITY OF WATERLOO

MMATH THESIS IN COMPUTER SCIENCE

Major: Software Engineering
Supervisor: Prof. Paulo Alencar
Waterloo, ON | CGPA : 87%
Sep'14 - May'17

DELHI TECHNOLOGICAL UNIVERSITY

B.TECH ENGINEERING PHYSICS

Major: Robotics & Info Systems
New Delhi, India
May'09 - May'13

LINKS

Github:// github.com/zxingz

LinkedIn:// linkedin.com/in/zxingz

SKILLS

PROGRAMMING

Python • Java • C++/C • JavaScript • Bash

VECTORDB

FAISS • Chroma

PYTHON

Apache Airflow • Pandas • PySpark • PyTorch • Scikit-Learn • Flask • LangChain • NLP

JAVASCRIPT

Bootstrap4 • jQuery • ReactDOM

DATA VISUALIZATION

Power BI • Tableau • Grafana • D3.js • Plotly • Kibana • Dash • Metabase

DB/CACHE/QL

Postgresql • Redis • Hive • MySQL • Oracle • Hbase • Trino(Presto) • SQLite • Cassandra

DEV/CI/CD

Jenkins • Docker • Git

CLOUD

GCP-BigQuery • S3(Minio) • DataProc(Spark) • EMR(AWS) • SQS(AWS)

EXPERIENCE: 10+ YEARS

NATWEST GROUP (ROYAL BANK OF SCOTLAND)

VP, DATA SCIENTIST | GENAI

August 2025 – Present | Haryana, India

- Leading a team of 4 developers on CORA+ RAG and Chatbot service of NatWest Digital assistant. Planned rollout to 100K+ Natwest Customers across UK and Ireland. **Click Here... #ChatBot #RAG**
- Developed End-to-End pipeline using OpenAI APIs and implemented ChatBot and RAG service on IBM cloud with Redis and RabbitMQ.**#ML**

ADOBE

SENIOR DATA SCIENTIST | AD-TECH

September 2021 – August 2025 | Noida, India

- Managing a team of 2 Developers.
- Generated user embeddings from user web browsing data by using text embedding model(s) and using it to calculate conversion lift. Average 5% MoM increase in ROAS for clients. **#LLM**.
- Optimal spend distribution suggestions across channels using timeseries forecasting for CTR, CPA and ROAS bottom funnel metrics.**#ML**.
- Working on generating impressions and conversions reports using identity graph and predictive analytics from LiveRamp and pixel conversion logs and ingesting in Power BI(1 Billion monthly records) **#Data Analysis**.
- Perform multivariate testing(MVT) for campaign creatives performance measurement.**#Statistics**

SCOTIABANK (CANADA)

DATA SCIENTIST-MANAGER | INTERNATIONAL BANKING ANALYTICS

August 2019 – September 2021 | Toronto, ON

- Developed pricing simulation dashboard for Caribbean operations to simulate changes in fee structures. **#BusinessIntelligence**
- Worked on customer churn model and mortgage rate estimation for CCAU region. **#ModelMonitoring #DataDrift**
- Manage analytics pipeline to Scotiabank's Latin America and Caribbean businesses. **#DataEngineering**

#Microservices #Spark #APIs #Data Visualization

DATA SCIENTIST | DECISION SCIENCES

July 2018 – August 2019 | Toronto, ON

- Used Grafana and Postgres to create dashboards for Electronic Money Transfer transactions. **#Realtime #Streaming**
- Developed Reading Comprehension System using Google Research's BERT model for SEDAR News documents. **#NLP**

DATA ENGINEER | CENTRALIZED RISK PLATFORM

July 2017 – July 2018 | Toronto, ON

- Deployed Apache Airflow, Elasticsearch, Filebeat and monitoring stack (Prometheus, Grafana, CAdvisor, NodeExporter). **#Monitoring**

UNIVERSITY OF WATERLOO | RESEARCH ASSISTANT

September 2014 – May 2017 | Waterloo, ON

- Research on "Multi-Agent Modeling of Risk-Aware and Privacy-Preserving Recommender Systems".

ERNST & YOUNG L.L.P | ASSOCIATE CONSULTANT | IT ADVISORY

June 2013 – July 2014 | New Delhi, India

- Develop & Design UI and Logic using SAP Advanced Business Application Programming. Customize and Develop Data Report and Form Generation.