

# Vishnu Srivastava

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## EDUCATION

### UNIVERSITY OF WATERLOO

#### MMATH THESIS IN COMPUTER SCIENCE

Major: Software Engineering  
Guide: 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

Website:// [www.the-software.dev](http://www.the-software.dev)  
Github:// [github.com/zxingz](https://github.com/zxingz)  
LinkedIn:// [linkedin.com/in/zxingz](https://linkedin.com/in/zxingz)

## SKILLS

### PROGRAMMING

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

### PYTHON

Apache Airflow • Pandas • PySpark • Django • PyTorch • Spacy • SQLAlchemy • 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 • SVN

### MONITORING

ElasticSearch • Filebeat • CAdvisor

### ENVIRONMENTS

Linux • Windows • Hadoop

### IDE

VSCode • JupyterHub • Jupyter Notebooks

### CLOUD

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

## EXPERIENCE: 9+ YEARS

### ADOBE

#### SENIOR DATA SCIENTIST | AD-TECH

September 2021 – Present | Noida, India

- Managing a team of 3 Developers.
- Working on customer churn model and A/B testing for AdCloud DSP Platform using spend information and customer feedback **#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) **#Analytics**.
- Running jobs on AWS Data Pipeline and AWS EMR for realtime data Visualization and Ad Campaign Optimization.

### 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**
- Analyze Electronic Money Transfers using PySpark to gather transaction information(Email ID, Acc No., IP) from log files on HDFS. **#BigData**
- 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.

### SAMSUNG R&D LAB | INTERN | DATA ANALYTICS GROUP

May 2013 – June 2013 | New Delhi, India

- Extraction of movie trailer links from MovieLens data sets. UI for Samsung Smart TV gesture recognition Application.

## PROJECTS

• The-Software.Dev • Airflow • Monitoring • Machine Comprehension- Google BERT • High Frequency Trading