Vishnu Srivastava

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EDUCATION

UNIVERSITY OF WATERLOO
MMATH THESIS IN COMPUTER SCIENCE
Conc. in Software Engineering
Guide: Prof. Paulo Alencar
Waterloo, ON | CGPA : 87%
Sep'14 - May'17

DELHI TECHNOLOGICAL UNIVERSITY
B.TECH ENGINEERING PHYSICS
Conc. in Robotics & Info Systems
New Delhi, India
May'09 - Sep'14

LINKS

Github:// github.com/zxingz
LinkedIn:// linkedin.com/in/zxingz

SKILLS

PROGRAMMING
Over 10000 lines:
Python • Java • C++/C • JavaScript • Bash

PYTHON
Apache Airflow • Pandas • PySpark • Django • PyTorch • Spacy • SQLAlchemy • scikit-learn

JAVASCRIPT
Bootstrap4 • jQuery

DATA VISUALIZATION
Tableau • Grafana • D3.js • Plotly • Kibana

DB/CACHE/QL
Postgresql • Redis • Hive • MySQL • Oracle

DEV/CI/CD
Jenkins • Docker • Git • SVN

MONITORING
ElasticSearch • Filebeat • CAdvisor • NodeExporter

ENVIRONMENTS
RHEL • Windows • Hadoop HDFS • Apache Mesos-DC/OS

EXPERIENCE

SCOTIABANK | DATA SCIENTIST (DECISION SCIENCES)
July 2018 – Present | Toronto, ON
- Developed reading comprehension system using Google Research's BERT model for SEDAR News docs and MIC.
- Created Airflow jobs to clean and extract text from SEDAR News docs and Management Info Circular(MIC) using PySpark on Enterprise Data Lake.
- Developed Web UI to search and visualize SEDAR docs and SEDI insider trading data.

SCOTIABANK | PROGRAMMER ANALYST (CENTRALIZED RISK PLATFORM)
July 2017 – July 2018 | Toronto, ON
- Deployed Apache Airflow for RMIT Risk Warehouse on Production environment with 80+ DAGs.
- Deployed Elasticsearch and Filebeat for log analysis.
- Working towards deploying monitoring stack (Prometheus, Grafana, CAdvisor, NodeExporter) using Docker.

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

SCOTIABANK | INTERN (EQUITY TRADING & ELECTRONIC EXECUTION SERVICES)
May 2016 – August 2016 | Toronto, ON
- Instant Chat using Socket.IO, Email reporting/tracking server, Trading performance report.

GAMEZOP.COM | DATA SCIENCE INTERN
January 2016 – April 2016 | New Delhi, India
- Developed Friends Recommender System and Game Recommender System on Google Compute Engine using Scikit-Learn and NetworkX python libraries.

UNIVERSITY OF WATERLOO | TEACHING ASSISTANT
September 2014 – December 2016 | Waterloo, ON
- CS 246-Object-Oriented Software Development(C++ & UML)
- CS 116-Introduction to Computer Science 2(Python)

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

HIGH FREQUENCY TRADING BY TRANSIENT PROFIT PEAK CLASSIFICATION USING MACHINE LEARNING ON REAL-TIME DATA STREAMS | UW CS886 APPLIED MACHINE LEARNING
Developed a transient profit peak classification algorithm combined with a classifier expansion mechanism to take advantage of the volatility in the stock markets by classifying a data point as a buying point (BP), selling point (SP) or as a do-nothing point (DN).