Avik Hasija

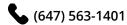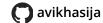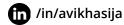📞 (647) 563-1401   ✉ a3hasija@uwaterloo.ca   ⌨ avikhasija   in /in/avikhasija   🌐 avikhasija.com

SKILLS

Languages: Python, Java, JavaScript, Kotlin, C++, SQL, PHP, Matlab

Libraries/Frameworks: Docker, Kubernetes, React, Node.js, uWSGI, Django, Flask, Scikit-learn, PyTorch

EXPERIENCE

Machine Learning Engineer Intern | Lifion by ADP *(Jun - Sept 2020)*
- Created predictive recommendation service for frequent user actions on Lifion developer platform.
- Built config-driven API on UWSGI server and Palladium framework. Configured Kubernetes deployment with Helm charts, implemented LRU model cache and concurrent model retraining in background thread.
- Crawled and warehoused training data in AWS Glue with ETL jobs for sanitization and de-duplication.

Software Engineer Intern | Minted *(Sept - Dec 2019)*
- Canonicalized URL paths in ReactJS and Python, improving site SEO and page ranking across 10k+ pages.
- Implemented SSR on key landing pages, eliminating latency caused by slow client-side network requests.
- Revamped on-boarding front-end, driving a 31% lift in data capture and 21% lift in order conversion.
- Automated Lighthouse custom auditing and reporting to find performance and accessibility shortcomings.

Software Engineer Intern | Correlation One *(Jan - Apr 2019)*
- Developed cross-product ETL pipeline in Python and JS to automate computation of proprietary C1 score.
- Launched new business line with client and user facing features to support sponsored online competitions in *Terminal*. Refactored database with schema migrations and developed front end components in VueJS.

Software Engineer Intern | Correlation One *(May - Aug 2018)*
- Designed distributed PostgreSQL database and REST API in Python with Django framework and ORM.
- Wrote Docker script for game simulation engine, deployed Kubernetes cluster with autoscaler in GCP.

Software Engineer Intern | American Express *(Sept - Dec 2017)*
- Built policy CRUD functionality for *Insurance Services Portal* in Java, saving $10k per vendor annually.

PROJECTS

Algorithmic Trading: Real-time market price prediction using LSTM network for automated day trading.

Infor[me]: Released mobile app to personalize announcement feeds in high school with 1000+ students.

EDUCATION

University of Waterloo | *BASc in Systems Design Engineering, Option in Management Sciences* *(2016 - 2021)*