Anam Hira

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TECHNICAL SKILLS

Devops: AWS (Solutions Architect Certified), Linux, Nginx, LAMP, Docker, Google Analytics, Git, Google Cloud Platform, Netlify
Languages: Java, Python, HTML, C++, C, Javascript, PHP, CSS, SQL, R
Frontend: Vue JS, Material UI, Bootstrap, Materialize, Vuetify, SCSS, Angular, React
Machine Learning: Scipy, Pandas, Numpy, Scikit-Learn, Tensorflow, Matplotlib

PROJECTS

RECURSIVE BARBELL TRADING BOT   MAY 2020 - [CODE]
• Algorithmic trading strategy based on fractal risk taking. Inspired by the barbell strategy outlined by Nassim Taleb in his book series Incerto.
• Utilizes a multitude of **AWS services including AWS lambda, API gateway, SQS, SNS** to create a highly available and fault tolerant system with minimal operational overhead.

CRYPTO/STOCK PORTFOLIO MANAGEMENT SYSTEM   MARCH - 2020 [CODE]
• Made in **Java** and includes a GUI and live prices, utilizing **APIs** of exchanges.
• Utilizing GSON and **JSON** to attain persistence within the project.
• Javafx to create a GUI

FITNESS LOG TRACKING APP   JUNE 2020 - [CODE]
• Fitness login training android app, to train the movements you do on a daily basis, and ensure progressive overload.
• Using **android studio and java** to create a comprehensive **CRUD app**.

WEB BASED MATERIAL DESIGN SSH LOGIN   DEC 2017 - [CODE]
• A SSH login built in PHP allowing you to access the terminal of the VPS which the website is hosted on.
• Built utilizing google material design principles.

EXPERIENCE

COMMUNICATIONS RESEARCH CENTRE CANADA   REMOTE
Advanced Telecommunications Research Development   July 2021 - Dec 2021
• Implemented cloud based architectures to decrease compute expenditures by 15 percent utilizing spot fleets rather than on demand instances.
• Directed the revision of cloud infrastructure to allow for robust, fault tolerant and antifragile systems by shifting parts of the infrastructure to serverless services .
• Assimilated into the work environment with individuals from a variety of locales to attain a common goal.

CRYPTOLEDGE   ONLINE
Software Developer   May 2017 - Aug 2018
• Utilized trading indicators and machine learning libraries to run sentiment analysis on a multitude of social media platforms.
• Used brokerage and exchange **APIS** to create automated trading systems.

LOCAL FARM   VICTORIA, BC
Farmer   May 2014 - Aug 2020
• Part time helper at a local farm, responsible for deliveries to local small businesses.
• Increased revenue by 300% by providing translation of Punjabi to English when communicating with merchants.
• Learned the ins and outs of the farming business, from working with crops, to the cost aspects.

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA (UBC)   Vancouver, BC
Bacholer of Science in Computer Science and Statistics, Minor in Data Science Deans Honour List   Sep 2019 - Apr 2023