

Rohan Minocha

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TECHNICAL SKILLS

Languages Python, Go, C/C++, SQL, HTML/CSS, R, Swift, JavaScript, Java, Bash
Libraries Pandas, NumPy, Matplotlib, ReactJS, Scikit-learn
Technologies Git, Docker, Kubernetes, AWS, MongoDB, Django, Flask, React Native, NodeJS

EXPERIENCE

Electro Source | *React Native, NodeJS, MongoDB, Kubernetes, Redis, Docker, AWS* May 2022 – Present
Software Engineering Intern Toronto, ON

Elekta | *Java, JavaScript, XML, SQL, Azure, Apache Tomcat, VMware* Sep 2021 – Dec 2021
Software Developer Intern Toronto, ON

- Improved stability of machine QA software across multiple browsers using Java and VMware by **developing UI test plans**
- **Optimized software license generation by 15x** by creating a standardized tool which **dropped team costs by 5%**
- Secured build with CI/CD pipeline to **increase accuracy to 99%** and setup emulator VMs for automated linear accelerators
- Automated monitoring system using Azure Budgets API, Postman, and PowerShell for strategic marketing to demo users
- Addressed over **20 vulnerabilities** by analyzing cyber security vulnerability reports adhering to OWASP recommendations

Delhi Public School | *Swift, SwiftUI, Appcelerator, IBM Cloud* Sep 2018 – Jun 2019
Software Engineering Intern KW

- Designed a full-stack iOS application for sharing recorded lectures in real-time, with an added in-app note-taking functionality
- Created the app using Swift and SwiftUI, and received over **6K downloads on App Store** with a **3.0 monthly traffic**
- Initiated refactoring of app codebase to support and organized implementation of additional features and updates
- Built upon a **multi-tier architecture**, and implemented wireframes and designs for technical feasibility to improve user experience

PROJECTS

CrediSafe  | *Python, Pandas, NumPy, Matplotlib*

- Built a data investigation model that identifies fraudulent transactions using k-nearest neighbors and k-means clustering
- Implemented data cleaning, data visualization, and confusion matrix to detect fraudulent transactions with **99% accuracy**
- Trained the model on data from over **280K** credit card transactions that detected all 492 frauds within **26 seconds**

Crypto Booster  | *R, RStudio*

- Developed a cryptocurrency trading bot to trade the ETH - CAD pair on the GDAX exchange through the Coinbase Pro API
- Implemented a combination of **Relative Strength Index (RSI)** indicators that suggest a momentarily oversold market
- Built an algorithm to automatically buy ETH based on current available account balance, and notify user of buy action via email

Expiry Tracker Application  | *JavaScript, React Native, Figma*

- Designed a full-stack application that keeps track of products' expiry and sends reminder notifications a week in-advance
- Created a bar code scanner that identifies the scanned product and automatically proceeds to scan the expiry date
- Implemented an algorithm to make the bar code scanner cycle through user flow by utilizing the device's physical buttons

VOLUNTERRING

Mentor | *Hack the North'21, UofT Hacks IX, Hack the Valley'21, UW Computer Science Club* Sep 2021 – Feb 2022

Assistant Teacher | *Dr. Ruhi Foundation School* Jun 2019 – Aug 2019

EDUCATION

University of Waterloo Sep 2020 – Apr 2025
Bachelor of Computer Science (Honours) Waterloo, ON

- **Awards:** President's Scholarship of Distinction
- **Relevant Coursework:** Foundations of Sequential Programs, Computer Organization and Design