

Rohan Minocha

mail@rminocha.com | rohanminocha.me | linkedin.com/in/rohanminocha | github.com/rohanminocha

EDUCATION

University of Waterloo

Sep 2020 – Apr 2025

Candidate for BCS: Bachelor of Computer Science

- **Relevant Courses:** Object Oriented Programming, Data Structures & Algorithms, Foundations of Sequential Programs

SKILLS

Languages	Python, Golang, JavaScript, C/C++, SQL, HTML/CSS, R, Swift, Java, Scheme
Frameworks	Django, React Native, Node, Express, Flask, Pandas, NumPy
Tools	MongoDB, PostgreSQL, Git, Docker, Kubernetes, AWS, Redis

EXPERIENCE

Electro Source Inc

May 2022 – Aug 2022

Software Developer Intern

Toronto, ON

- Improved app security by addressing **over 25 vulnerabilities** in **React Native** by analyzing OWASP Top 10 reports
- Optimized app performance by creating **Docker** container to deploy **Redis** in-memory cache instance for real-time analytics
- Implemented **REST APIs** to fetch user data from **MongoDB** and reduced API calls by **30%** when creating new accounts
- Reduced manual testing load by **10%** by creating automated test cases to ensure notifications and error headers validity
- Designed Calendar UI using **Figma** and developed test plans for UI testing to improve app stability for **TestFlight** release

Elekta

Sep 2021 – Dec 2021

Software Developer Intern

Toronto, ON

- **Optimized software license build by 20x** by creating standardized tool in **Java** which **dropped team costs by 12.5%**
- 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, & PowerShell for strategic product marketing to demo users

Delhi Public School

Sep 2018 – Jun 2019

Software Engineering Intern

KW

- Designed a full-stack iOS application for sharing recorded lectures in real-time, with an in-app note-taking functionality
- Created mobile app using **Swift** and **SwiftUI** and received **over 6K downloads on App Store** with a **3.0 monthly traffic**
- 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

INTERESTS

Software Developer | [UWPath](#)

Sep 2022 – Present

Hackathon Judge | [TOHacks'22](#)

May 2022

Mentor | [Hack the North'21](#), [UofT Hacks IX](#), [Hack the Valley'21](#), [UW Computer Science Club](#)

Sep 2021 – Feb 2022