3-329 Northlake Drive
Waterloo ON N2V 1Z1

SHIVASURYA

(226) 581-4631
s.shivasurya@gmail.com
Github: shivasurya

EMPLOYMENT

Software Engineer, Full Time	**Zoho Corporation**	**July 2018 – July 2019**

Zoho Security
- Developed mobile security framework and static analysis audit tool detect vulnerabilities from source code for Zoho and ManageEngine android apps.
- Red team member – responsible for securing Zoho cloud applications, supporting infrastructure and assets.
- Managed overall Zoho internal and external bugbounty program to mitigate risk, verify security patches.

Software Engineer, Full Time	**Zoho Corporation**	**May 2017 – July 2018**

Zoho Books
- Lead Zoho finance mobile framework by implementing core features, common utilities that can be used across finance apps (Invoice, Expense, Inventory, Subscriptions, Books).
- Built and released Zoho invoice (GST Edition) and prioritized features, bug fixes and technical support.
- Lead Zoho finance mobile apps security auditing, designing, adopting best practices.

Software Engineer, Intern	**Zoho Corporation**	**Dec 2016 – Apr 2017**

Zoho Invoice
- Released invoice generator android app (GST Edition) which has traction of 500K+ Downloads and ~50K+ MAU.

EDUCATION

Waterloo, ON	**University of Waterloo**	**Sep 2019 – Apr 2021**

- M.Math. (Thesis) Computer Science, Apr 2021 (Expected).
- Graduate Coursework: Empirical Software Evolution; Computer Security and Privacy - Mobile; System Performance Evaluation, Empirical Software Engineering using Ultra Large Repositories;
- Thesis: Penetration testing Framework for detecting Android Application vulnerabilities using dynamic analysis.

Madurai, TN	**Thiagarajar College of Engineer**	**Jun 2013 – Apr 2017**

- B.Tech. in Computer Science Engineering, Apr 2017.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Web and Mobile Development; Computer Security and Privacy; Computer Network; Engineering Mathematics;

TECHNICAL EXPERIENCE

Projects
- **GoSchedule** (2019). Built an interactive scheduling system with NodeJS, SQL and workers as fun project.
- **Feedback Dialog** (2018). Material design component built using android material design system.

ADDITIONAL EXPERIENCE AND AWARDS

- **Teaching Assistant (2019 – 2020):** CS 446 – android application development, CS 246.
- **Winner, SIH 2017:** Awarded 2nd prize for building Multi-factor authentication for OpenVPN, with internship opportunity at ISRO Space Agency, India.
- **Google Vulnerability Reward Program:** Global Rank: 237, awarded with leet-bounty and hall of fame.
- CVE-2018-16493 – Found handful of vulnerabilities in npm ecosystem & hackerone bugbounty platform.

Languages and Technologies
- C; Java; JavaScript; NodeJS; SQL; PHP;
- AWS; Azure; GCP; Netlify; Git; GitHub Actions; Gitlab CI/CD; Android Studio; Rest API;