
OBJECTIVE

Seeking full-time opportunities in the areas of software/web development starting August, 2016

Technical Skills

- **Programming Languages:** Java, C++, PHP, SQL, JavaScript
 - **Technologies:** Android Studio, Matlab, ns2, Selenium web-driver, Labview, MySQL
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WORK EXPERIENCE**Graduate Research Assistant, University of Waterloo, Canada****May '15 – Present**

- Currently working on designing new re-authentication mechanisms for smartphones.
- Developing an Android lock-library for app-level pattern/pin lock interfaces with varying transparencies.

Research Associate, Technology Information, Forecasting and Assessment**Council (TIFAC), India****Sept '13 – June' 14**

- Worked on developing web-applications using PHP for use within the organization.
- Involved in maintaining network performance by network monitoring and analysis.

Research Intern, Bell Labs Research, India**Fall '13**

- Conducted a research study to understand the concerns of Indian web users towards online advertising.
- Developed a selective ad-block plugin in JavaScript for Firefox browser to address the user concerns.

Play-tester, MILLEE, CMU, USA**Fall '12**

- Conducted alpha and beta tests for the mobile games developed and submitted test reports
 - Managed content required for the game including voiceovers, XMLs etc.
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EDUCATION**University of Waterloo, Canada****Sept '14 - Present**

- Master of Mathematics in Computer Science.
 - Relevant Coursework: Introduction to Artificial Intelligence, Advanced Topics in HCI- Humans in the Loop Systems, Cloud Computing and Software Defined Networking
- Expected Graduation Date-** August, 2016

CGPA: 88.20/100**Dhirubhai Ambani Institute of Information and Communication Technology****Jul '09 – May '13****(DA-IICT), India****CGPA: 8.55/10**

- Bachelor of Technology in Information and Communication technology (ICT).
 - Relevant Coursework: Data Structures and Algorithms, Introduction to Graph theory, Operating System, Introduction to Cryptography, System and Network Security, Security Protocols, Network Protocols, Sensor Network Systems.
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TECHNICAL EXPERIENCE**Projects**

- **Crowd-sourcing system for multi-lingual plagiarism detection-** Developed the front-end interface of the platform using PHP, JavaScript and MySQL to allow users to identify plagiarized news articles across languages.
- **Ad Filter Browser Plugin-** Developed a modified version of the popular Adblock plus browser plugin using JavaScript which blocks only sensitive online advertisements in contrast to blocking all online ads.
- **Ad-Extractor Tool-** A Java tool to extract and identify the content of both textual and graphical online advertisements present on a given list of web-pages using selenium web-driver.
- **NGO Information management Suite-** A web based information management system for an NGO for

cataloguing their work, evaluating the NGO and its employee's performance.

- **P2P File Transfer System**- Implemented a client-server implementation in C language which facilitates file sharing between clients of the same network.

PUBLICATION

- **Do Not Embarrass: Re-Examining User Concerns for Online Tracking and Advertising**, SOUPS 2013
Lalit Agarwal, Nisheeth Shrivastava, Sharad Jaiswal, Saurabh Panjwani, Bell Labs Research, Bangalore, India

CURRENT AND PAST ACTIVITIES

- Graduate Student Ambassador, Computer Science Department, University of Waterloo, Canada
- Teaching Assistant, Computer Security and Privacy, University of Waterloo, Canada
- Teaching Assistant, Algorithm Design and Data Abstraction, University of Waterloo, Canada
- Teaching Assistant, Designing Functional Programs, University of Waterloo, Canada