

# ROSY RAMBANI

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## Profile of Skills

- 3 years of experience designing dynamic and beautiful cross-browser complaint web applications, landing pages, user interfaces, and corporate websites and optimizing them for maximum speed and usability.
- Good understanding of Document Object Model (DOM) functions and SEO techniques.
- Well-versed with all stages of Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC).
- Experience of designing prototypes and collaborating using InVision.
- Planning, time management, multitasking and result oriented working approach.
- Ability to work both independently and as part of a team with high efficiency.
- Skilled in identifying problem areas, recognizing the impact on the business and users, and prioritizing the implementation of appropriate solutions.

## Technical Skills

- **Web Development Technologies:** HTML5, CSS3, Materialize CSS, JavaScript, Bootstrap, jQuery, PHP, AJAX, JSON.
- **Programming Languages:** C/C++, Java
- **Database:** MySQL.
- **Tools:** Android Studio, MS Visual Studio, Apache Cordova, WordPress, WAMP/XAMP, InVision, FileZilla, Source Control-Git( <https://github.com/rosyrambani>)
- **Integrated Development Environment:** Eclipse, Netbeans, ADT Bundle (Android Development Tools).
- **Application Program Interface (API):** Twitter, OAuth, Google Drive, OneDrive, Box, DropBox.

## Work Experience

### Full Stack Web Developer

**Elementary Creative**, London, Canada

January 2017 to Present

- Designed overall architecture of the web application ensuring usability and responsiveness.
- Collaborated with the rest of the team to design and launch new features.
- Used search engine optimization (SEO) best practices to optimize the website for organic search.
- Making web applications from scratch, debugging and A/B testing.
- Experience working with web hosts, relational databases, interacting with APIs, optimizing user interface and user experience.
- Developed websites for small businesses such as restaurants, interior designers, fashion designers, Gymnasiums etc.

### Full Stack Web Developer

**Venus Mind Media**, Amritsar, India

January 2014 to February 2016

- As a programmer, I focused on code maintenance, debugging and performance. I worked heavily with C, Java, PHP, PHPMyAdmin, MySQL, JSON, CSS, HTML, JavaScript, Bootstrap, AJAX and jQuery.
- Prepared and maintained documentation of all applications and servers implemented on the site.
- Front-end customization, development and maintenance using Wordpress.
- Mysql database, integration with Java backend using JDBC.
- Tested front-end code in multiple browsers to ensure cross-browser compatibility and fixed bugs.
- Ensured the technical feasibility of UI/UX designs.
- Proficiently understood cross-browser compatibility issues and implemented ways to work around them.
- Extensive experience working in Agile and Waterfall (SDLC Methodologies) environments.
- Worked with clients to develop layout, color scheme for their website and implemented it into a final interface design.

## Java and Android Developer (Intern)

Venus Mind Media, Amritsar, India

June 2012 to December 2012

- Developed Android applications paying special attention to the application's compatibility with multiple versions of Android and device types.
- Designed, built, and maintained high performance, reusable and reliable Java code.
- Implemented Google's Android design principles and interface guidelines.
- Developed an Android application "Cloud Cluster" which could access the most popular drive storages such as Google Drive, Box, DropBox and One Drive using a single application.
- Developed an Android application for Remote Desktop which selects a computer on a LAN network and remotely accesses and downloads files using the app on a mobile.
- Developed an Android application for Wi-Fi Camera to make an android phone a Wi-Fi based IP camera and watch the video and sound on a PC in the same network.

## Academic Projects

### RFID and Smart Sensors (Internet of Things)

- Developed Multiplatform Mobile App using Visual Studio Tools for Apache Cordova to communicate with Texas Instrument BLE sensor tag. The app uses Twitter developer account's credentials and OAuth authentication to send tweets based on sensor measurements. App used Evothings and JavaScript libraries for Internet of Things (IoT).

### Data Security and Cryptography

- Coding and successful implementation of AES (Advanced Encryption Standard) and Vigenere cipher encryption and decryption system using Java and testing the ciphers for default values.
- Focused particularly on the four steps used in each round of AES: (1) substitution, (2) shift rows, (3) mix columns, and (4) add round key.

### Applied Computing

#### Internship Management Information System

Technology Used: HTML, CSS, Bootstrap, PHP, JavaScript, jQuery

- Developed website that keeps track of students' internship progress.
- Admin can add and update information, job listing and positions offered by companies and can run reports and student can add information, view job posting and show interest in jobs.

#### Library Management System

Technology Used: HTML, CSS, Bootstrap, PHP, JavaScript, jQuery

- Developed a library management system which allows user to check the availability of books. Some other features include searching the library with specific filters, suggest any book to library, register and login into the system.

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## Education

### Masters in Electrical and Computer Engineering

University of Windsor, Canada

Cumulative GPA: 86%

May 2016 to April 2017

**Courses:** Network Security, Computer Networks, Wireless Communication, RFID and Smart Sensors (Internet of Things), Data Security and Cryptography, Computer Arithmetic, Project Management.

### Bachelor of Technology in Electronics and Communication Engineering

Guru Nanak Dev University, India

Cumulative GPA: 8.24

July 2011 to May 2015

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## Accomplishments and Volunteer Experience

- Awarded with GSS scholarship at University of Windsor in 2017 for academic excellence and demonstrating good leadership and community involvement.
- Successfully completed DELF A1 by French National Ministry of Education from Alliance Francaise in 2015.
- My 'Head Motion Operated Wheelchair for Quadriplegic Patients' project won the first prize in the inter-university technical fest.
- Member of university's social welfare group 'I Responsible Amritsar' aimed for welfare and maintenance of cleaner and safer city during 2014-2015.