

ROSY RAMBANI

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Portfolio: https://rosyrambani.github.io/portfolio_rosy_rambani/

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Profile of Skills

- Experience of designing dynamic and beautiful cross-browser complaint web applications, landing pages, user interfaces and corporate websites and optimizing them for maximum speed and scalability.
 - 2 years of experience developing Java and Android applications which helped me gain strong programming skills for both mobile and desktop.
 - Well-versed with all stages of Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC) for dynamic web projects.
 - Experience of designing prototypes, workflow, and collaborating effectively and efficiently using InVision.
 - Diligent, innovative, mechanically inclined and inquisitive to learn to new technologies.
 - Exceptional planner with time management, multitasking, prioritization and accountability skills acquired by working with teams that consistently met project deadlines.
 - Skilled in identifying problem areas, recognizing the impact on the business and users, and prioritizing the implementation of appropriate solutions.
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Technical Skills

- **Programming Languages:** C/C++, Java
 - **Web Development Technologies:** HTML5, CSS3, Materialize CSS, JavaScript, Bootstrap, jQuery, PHP, AJAX, JSON, WordPress.
 - **Database:** MySQL.
 - **Tools:** Android Studio, MS Visual Studio, Apache Cordova, WAMP/XAMP, InVision, Sublime Text, FileZilla, Git(<https://github.com/rosyrambani>)
 - **Integrated Development Environment:** Eclipse, ADT Bundle (Android Development Tools).
 - **Application Program Interface (API):** Twitter, OAuth, Google Drive, OneDrive, Box, DropBox.
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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 engineering team to design and launch new features.
- Used search engine optimization (SEO) best practices to optimize Website for search engine rankings and improved functionality.
- Handled database and Web site programming tasks while maintaining code integrity and organization.
- Resolved multiple technical issues by leveraging strengths in coding, debugging and integration testing.
- Experience working with server, network and hosting environment, relational and non-relational databases, interacting with APIs and the external world, user interface and user experience, understanding customer and business needs.
- Designed and maintained company website and websites for small businesses such as restaurants, interior designers, fashion designers, Gymnasiums, etc.
- Worked in collaboration with software development team to align code & user experience requirements.

Full Stack Java and Android Developer

Venus Mind Media, Amritsar, India

January 2014 to February 2016

- As a software developer, I focused on code maintenance, debugging and performance. I worked heavily with C, Java, PHP, MySQL, CSS, HTML, and JavaScript.
- 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.
- Met all deadlines assigned by supervisor & managers.
- Familiarity with RESTful APIs to connect Android applications to back-end services
- Developed an android app "Cloud Cluster" which could access the most popular drive storages such as Google Drive, Box, DropBox, One Drive using a single application.
- Developed an android app 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 app 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.

Education

Masters of Engineering in Electrical and Computer

University of Windsor

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

Cumulative GPA: 8.24

July 2011 to May 2015

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 in French from Alliance Francaise in 2015.
- Volunteered at Walksafe program during 2016–2017 at University of Windsor.
- 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.