

# VANSH RALHAN

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Beaumont, TX

## EDUCATION

**Lamar University**, [January 2021 - December 2022]

**Beaumont, TX**

Master's of Science in Computer Science

**CGPA: 3.8/4.0**

*[Courses: Analysis of Algorithms, Principles of Operating Systems, Software Engineering, Data Mining, Object-Oriented Programming in Java, Foundations of Computer Science, Big Data and Analytics, Python Programming, Computing Networks]*

**CGC College Of Engineering**, [July 2013 - July 2017]

**Punjab, India**

Bachelor's Degree in Electronics & Communication

**CGPA: 7.7/10**

## KEY SKILLS & RELEVANT COURSES

**Programming Languages:** Ruby, Python, Core Java, C++, HTML, CSS, JavaScript

**Frameworks and Libraries:** Ruby on Rails, Sinatra, JQuery, grapesJs, Bootstrap, Angular

**Database Technologies:** MySQL, PostgreSQL, Elastic Search, Redis

**Platforms and Tools:** OpenShift, Heroku, GIT, Restful Services, AJAX, Sidekiq, VIM, Atom, Visual Studio, MS Office, Mailgun, Vagrant

## ACADEMIC PROJECTS AND CERTIFICATIONS

- **Project:** Early-stage Diabetes risk prediction using data mining techniques, Lamar University
  - Performed various evaluation Metrics on the Early Stage Diabetes Risk Prediction dataset
  - Built a model which predicts whether a diagnosis will be positive or negative based on the reported symptoms
- **Project:** Designed and created an app to show the schedule of the IPL sports tournament, CGC College of Engineering, Mohali, India
  - Developed a Java application using Netbeans & SQL Server Management Studio to show match results and schedule
- Certificate of completion of Foundation Program under the aegis of the Infosys Connect Program, CGC College of Engineering, India
- Certificate of completion of 6 months of Industrial Training on Core Java at SLR Infotech Pvt. Ltd, Chandigarh, India

## CAREER-RELATED EXPERIENCE

**Magnon\TBWA, India**

*Feb 2019 – Dec 2020*

*Software Developer*

- Collaborated on all stages of the web application development lifecycle, from requirement gathering to production releases
- Prepared test plans and wrote test scripts(RSpec and capybara) based on the features and requirements of the project
- **Project:** The Lobby - Web application for listing products and resources used by agencies and the TBWA group. Built the web application from scratch using ruby on rails for the backend and Angular for the frontend. Integrated the application with openAM OAuth, and Adir
- **Project:** Standup - Daily standup web tool built for TBWA. Revamped the application by rails version upgrades, data migration from Edir to Active Directory and resolving transition-related challenges. Handled deployment and maintenance of the application on the server using the OpenShift container platform

**Maropost, India**

*Nov 2017 – Jan 2019*

*Software Engineer*

- Followed Agile Methodology (SCRUM) and actively participated in Sprint Retrospective. Analyzed requirements and prepared functional specification document
- Designed, built, and maintained an efficient, reusable, and reliable Ruby code. Managed the code with unit tests and Github
- **Project:** Send-Time Optimization & Conversion Time Optimization. Single-handedly built a microservice using Ruby, Sinatra and Elasticsearch for data analysis. Designed the microservice architecture and algorithm. Integrated the service with Maropost's MMC ruby on rails application with Sidekiq and APIs
- **Project:** Maropost Marketing Cloud - online customer engagement and sales-driving solution. Actively worked closely with the product team and executed enhancements to features based on the requirements. Affiliated with the technical support team to quickly solve production issues

## ADDITIONAL EXPERIENCE

**Career and Testing Center, Lamar University, Beaumont, TX**

*July 2021 – Present*

*Graduate Assistant*

- Responsible for admitting and assisting clients with scheduled testing
- Adhere to different exams to ensure proper measures are taken for each client
- Maintain and monitor the testing environment