

Vansh Ralhan

Full Stack Developer

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[Portfolio: https://ralhanvansh.github.io/portfolio](https://ralhanvansh.github.io/portfolio)

EDUCATION

Lamar University, December 2022

Master of Science in Computer Science

Beaumont, TX

CGPA: 3.8/4.0

Punjab Technical University, August 2017

Bachelor's Degree in Electronics & Communication

Punjab, India

CGPA: 7.7/10

SKILLS

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

Frameworks and Database: Ruby on Rails, jQuery, GrapesJS, Bootstrap, Angular, MySQL, PostgreSQL, Elastic Search, Redis

Platforms and Tools: Heroku, OpenShift, AWS, Docker, GIT, AJAX, VIM, Atom, Visual Studio, MS Office, Mailgun, MacOS, Linux

TECHNICAL PROJECTS

Buzz Marketing, Lamar University

- Developed a web application using Ruby on Rails that allows seamless scheduling and delivery of bulk emails
- Implemented GrapesJS web builder editor to create custom HTML templates. Integrated Sidekiq job scheduler, Mailgun API & used ChartJS to display statistics.

Cloud Computing using AWS, Lamar University

- Used AWS Lambda and AWS Database Aurora to deploy an application and database on an EC2 instance
- Properly established IAM rules to bolster security on AWS and deployed separated virtual environments using VPC with subnets.

Early-stage Diabetes risk prediction using data mining techniques, Lamar University

- Built a model that analyzes the reported symptoms to predict whether a diagnosis would be positive or negative. Accuracy 91%.
- Efficiently performed various evaluation Metrics on the dataset using Python's libraries, including NumPy, Pandas and seaborn.

IPL Tournament Schedule, CGC College of Engineering

- Designed a Java application to show the schedule of the IPL sports tournament
- Created the Java application using NetBeans & SQL Server Management Studio to show match results and schedule.

CAREER-RELATED EXPERIENCE

Software Developer - Magnon\TBWA, India

Feb 2019 - Dec 2020

- Collaborated on all stages of the web development lifecycle, from requirement gathering to production releases
- Project: The Lobby** – Developed a responsive in-house web application for listing resources used by agencies and the TBWA group. Teamed with 2 and built the project from scratch using ruby on rails and Angular. Integrated openAM OAuth, Adir and OpenShift
- Project: Standup** – Revamped daily standup web tool for TBWA, including improvements to Rails, data migration from Edir to Active Directory, and resolution of transition-related issues that boosted user engagement. Implemented and optimized CRUD procedures for the applications utilizing Rails 6's MVC framework. Utilized OpenShift platform to manage deployment.

Software Engineer - Maropost, India

Nov 2017 - Jan 2019

- Designed, programmed, and maintained efficient reliable code. Followed SCRUM and actively participated in Sprint Retrospective
- Project: Time Optimization** – Single-handedly made a microservice using Ruby, Sinatra and Elasticsearch for data analysis. Designed the microservice architecture and algorithm which helped to retrieve users best time to send email. Assembled the service with Maropost MMC application using Sidekiq and RESTful APIs
- Project: Maropost Marketing Cloud** - Actively coordinated with the product team and executed enhancements to features based on the requirements. Affiliated with the technical team to promptly rectify production issues raised by clients and testing team.

ADDITIONAL EXPERIENCE

Graduate Assistant - Career and Testing Center, Lamar University, TX

July 2021 - Present

- Assist and admit clients with scheduled testing. Adhere to policies of different exams to ensure test security are taken
- Maintain and monitor the testing environment to ensure proper test deliveries.