

RAHUL RANGITH



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SKILLS

Languages/Frameworks: Python, Flask, Ruby, Rails, Javascript, React, Java, C/C++

Tools/Technologies: Docker, Kubernetes, AWS, Heroku, MySQL, PostgreSQL, Git, Jenkins, Jira

EXPERIENCE

TextNow - Software Developer

January-April 2019

- Created a REST API to initiate and monitor port requests using third party APIs, **Ruby on Rails** and **MySQL**
- Utilized **Docker** and **Kubernetes** to deploy service and **Terraform** to build RDS and ElastiCache instances
- Improved UI and created new features for customer management portal using **React** and **Ruby on Rails**

Symantec - QA Automation Engineer

May-August 2018

- Developed application to aggregate and generate daily reports for Norton WiFi Privacy reviews from the App Store, Play Store, and Opinion Lab using **Python**, Slack API, and **Jenkins**
- Trained machine learning model to perform Multi-Label Text Classification on reviews using **Python**, Natural Language Processing, and **sci-kit learn** to achieve 85% accuracy
- Implemented daily UI tests for iOS and Android using **Jenkins**, Swift, and Java to increase code coverage by greater than 50% on both platforms

PROJECTS

RealTalk

- Won first place at DeltaHacks 2019 with web app that gives users real-time feedback
- Utilized **OpenCV** and pretrained ML models to track hand movements and facial expression
- Developed **Flask** API to accept an image and return coordinates of a person's face and hands along with facial expressions
- Utilized Web Speech API to analyze user's word choice and talking speed
- Displayed real-time feedback on graphs along with a final summary using **React**

StoryTime | storytime.tech

- Finalist at Hack the Valley 2019 with web app that generates an image based on what a user says
- Deployed multi-container application to VPS using **Docker**, **Docker-Compose**, and **NGINX**
- Developed **Flask** API to accept string and return image using Bing's Image Search API and applied filters to the search based on the sentiment of the string and the user's facial expressions using Google's Vision API

Heartful

- Collaborated with team at Hack the North to create Fitbit application that protects users from stress
- Developed Rest API to relay data between frontend and **PostgreSQL** database using **Python** and **Flask**
- Utilized Twilio API to send text messages based on the user's situation
- Integrated Google Maps API to create heat map of user's stressful areas based on data collected

EDUCATION

University of Waterloo

- Computer Engineering | 2017-2022

ACTIVITIES AND INTERESTS

- Avid NHL follower and Toronto Maple Leafs fan, played Ice Hockey from 2009-2017
- World Taekwondo Federation Black Belt and competed in multiple sparring tournaments
- Engineering tutor for Linear Algebra, Calculus, and Chemistry
- Ambassador for University of Waterloo Engineering Department