

Chaitra Ramachandra

3423 Madison Avenue, #X133, Boulder, CO - 80303

chaitra.ramachandra@colorado.edu
+1 (720)-645-6472
www.linkedin.com/in/chaitra-ramachandra
github.com/ChaitraRp
www.quora.com/profile/Chaitra-Rp-1
[portfolio](#)

SKILLS

Programming

Python
C++
HTML + CSS
C
JavaScript
SQL (basic)
MATLAB

Data

MySQL
SAP Lumira
Oracle DB
SSIS
SAS JMP

Other

Selenium
JIRA
AGILE PQM
Scrum
GIT
AWS

OS

Windows
Linux

COURSES - GRADUATE

Network Systems
Computer Storage Systems - ZFS
Distributed Systems
Advanced Database Systems
Software Project Management
Software Engineering
Open Source Development
Linear Programming

COURSES - UNDERGRAD

Object Oriented Programming
Data Structures
Design and Analysis of Algorithms
Database Management Systems
Programming in Java
Computer Networks
Web Programming
Cryptography
Information Security

LEADERSHIP

- Currently working as a **Lead Teaching Assistant** for an Introductory Python Course for a class of 100 undergrad students at CU
- Teaching Assistant** for Data Structures and Algorithms in CU Boulder, for a class of 50 undergrad students at CU
- Ex-Cadet** with rank as **Lance Corporal** under NCC (Battalion 29), India
- Event organizer for Pediatric Cancer Awareness Program at **DELL** that involved 1000+ employees
- Event Organizer for eye checkup and cataract operation camp that consisted of 400 volunteers at **Lion's Club**

EDUCATION

University of Colorado Boulder | Boulder, CO

Master's in Computer Science and Engineering

R.V. College of Engineering | Bangalore, INDIA

Bachelor's in Information Science and Engineering

Aug 2016 - May 2018

3.74/4.0

Sept 2010 - May 2014

9.01/10.0

WORK EXPERIENCE

NETAPP – SOLIDFIRE

Software Engineering Intern

Currently working on developing **Valence** which is an internal Test Automation framework that helps the testers to write efficient test cases and maintain good reports.

- The entire framework is developed using **Python**
- Also working on improving **LogMob** which is a tool used to analyze test reports

May 2017 – Current

DELL RESEARCH AND DEVELOPMENT

Associate Test Engineer (Automation)

Worked on **Remote Management of Servers** using embedded system called iDRAC

- Involved in **automation and maintenance of 800+** test scripts using **Python**

July 2014 – July 2016

Project 1 (Team of 5):

- Manually Validated HTML5, GUI, RACADM features (**400+ test cases**)
- Manual validation of AD, LDAP, VLAN, SHA-2 features (**50+ test cases**)

Mar 2016 – July 2016

Project 2 (Team of 5):

- Manual testing of Network Cards and WSMAN Interface (**400+ test cases**)
- Stress testing on DELL PowerEdge Servers (**50+ stress test cases**)

Sept 2015 – Feb 2016

Project 3 (Team of 3):

- Execution and maintenance of **1500+ automated test scripts**

Mar 2015 – Aug 2015

DELL INTERNATIONAL SERVICES

Software Developer in Test – Intern

Developed a tool for DELL SupportAssist that could deploy, upgrade and test SupportAssist Server automatically without any human intervention (Team of 2)

- 80% of time efficiency** was achieved through **automation** and around 7 hours of manual labor was saved per day
- Technologies used: **Python**, HTML, CSS, Oracle SQL Developer, cx_Oracle-11g Python extension, Oracle instantclient-11.2, SOAP UI

Jan 2014 – Apr 2014

COURSEWORK PROJECTS

DISTRIBUTED FILE SERVER AND PROXY SERVER (Team of 1)

Developed a distributed file system client and server model that would divide the files and store it in four different servers and perform file operations. Also developed a proxy server that served HTTP connections through a proxy.

Technologies used: C

ANALYTICS ON EDGE FOR FITBIT DEVICES (Team of 3)

Developed a simulation that introduced a layer of Edge Servers between several FitBit devices and the Cloud.

Technologies used: Python, Flask, REST, AWS, MySQL, JavaScript

FINDING A TSP TOUR FOR LARGE NUMBER OF CITIES (Team of 3)

Designed an algorithm to find a TSP tour for 498 cities of United States. Implemented Gurobi.py and Nearest Neighbor Algorithm to create a final TSP tour.

Technologies used: Python, Google Distance Matrix API, Gurobi.py

CU BOULDER DLA WEB APPLICATION (Team of 3)

Designed and developed a web application for CU Boulder's Discovery and Learning Apprenticeship Program.

Technologies used: Python Django, HTML, CSS, JavaScript, AWS

YEARBOOK WEB APPLICATION (Team of 2)

Developed a Web Application called Yearbook that aimed at capturing memories of the college years.

Technologies used: HTML, PHP, JavaScript, jQuery, CSS, WebRTC

TRACEROUTE (Team of 2)

Developed a network tool which can be used to show the route taken by packets across an IP network.

Technologies used: Python