# Harsha Vardhan Charagondla

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## EDUCATION

**University of Southern California,** Los Angeles, USA                         Exp-May 2023
**Master of Science, Computer Science**
Courses: Analysis of Algorithms, Database Systems, Web Technologies, Machine Learning

**CMR College of Engineering & Technology,** Hyderabad, India                Aug 2016-Sep 2020
**Bachelor of Technology, Computer Science & Engineering**                   GPA: 3.8/4.0

## TECHNICAL SKILLS

- **Programming Languages:**        Python, C++, Java, C
- **Database Technologies:**        SQL, Oracle, MongoDB, Postgres
- **Web Technologies:**             HTML, CSS, JavaScript, ReactJS
- **Tools:**                        NumPy, Pandas, Matplotlib
- **Version Control / Others:**     SVN, Git, Bash, JSON, XML, NodeJs, Kubernetes

## WORK EXPERIENCE

**Netcracker Technology**, Hyderabad, India                                 Nov 2020-Jul 2021
**Junior Software Engineer**
- Worked as a **Junior Developer** in multinational telecommunications projects like Ooredoo and British Telecom.
- Collaborated with the ICE (International Centre of Expertise) custom team to provide defect path resolutions for high priority issues.
- Implemented and deployed change requests and code enhancements to the existing solutions.

## ACADEMIC PROJECTS

**Feature Detection through Energy Audits**                                  Jan 2020-Apr 2020
- Calculated and performed extensive analysis to enhance the way appliances consume energy and achieve energy conservation.
- Trained machine learning models like KNN, Naïve Bayes Classifier and Decision Trees.
- Generated Classification reports and Confusion matrix for accuracy.

**Result Analysis and Prediction**                                          Aug 2019-Oct 2019
- Performed result analysis of students data to improve students performance and to produce a detailed report using report lab tools.
- Trained and obtained results using a Multivariate regression model.

**Blood Mobi**                                                              Sept 2018-Oct 2018
- Lead a team of five people to plan and execute the project.
- Created an android application that connects blood donors and receivers in a particular location.

## ACTIVITIES

**Student Coordinator, CMRCET,** Hyderabad, India                           Jan 2019-Nov 2019
- Conducted training sessions related to coding for juniors through coding club.
- Scheduled sessions every weekend so that they can discuss with their fellow peers.
- Helped juniors a lot in raising their coding standards.

**Student Organizer, Azura fest, CMRCET,** Hyderabad, India                 Dec 2018
- Organized and managed a technical event in the college fest.
- Prepared and conducted multiple levels of coding tests.
- Presented goodies to the top 3 winners and other stuff for all the participants as a token of participation and encouragement.