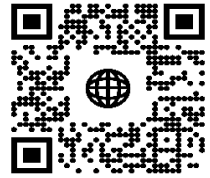# RAHUL SIDRAMAPPA HOSKERI

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EDUCATION

UC, MERCED	UNIVERSITY OF CALIFORNIA	Aug 2019 – Present (May 2021)

- **Major:** Electrical Engineering and Computer Science (Master of Science)
- **Coursework:** Advance Algorithm Design and Analysis, Parallel Computing (Programming Models: Open MP, CUDA).

MVJ COLLEGE OF ENGINEERING (INDIA)	VISVESWARAYA TECHNOLOGICAL UNIVERSITY (INDIA)	Aug 2014 – June 2018

- **Major**: Computer Science and Engineering (Bachelor of Engineering) (GPA :71%) (3.45/4.00)
- **Programming Coursework**: Design and Analysis of Algorithm, Data Structures, Unix and Shell Programming, Object-Oriented Programming.
- **Related Coursework**: Database Management Systems, Professional Ethics, Discrete Mathematics, Software Engineering.

EXPERIENCE

Project Engineer	WIPRO Technologies Ltd (Bangalore, India)	Jul 2018 – Dec 2018

Marsh & McLennan insurance project.

- Analyzed the insurance report data using the SAP Business Object to study the business growth and report for making daily business decisions.
- Implemented Python script to clean csv file and convert to excel file for better readability and reduced the manual effort that was used before.

Skills Used: SAP Business Objects, Python scripting.

PROJECTS

MATLAB Optical Character Recognition Simulation

Project Title: *"Recognize and Translate Tulu Kannada Characters to Classical Kannada Characters Using OCR."*

Challenge: No support provided in MATLAB software for Kannada character display. No existing model for translation of the dialect proposed with substantial accuracy.

Action:

- Using the Cross-Correlation algorithm successfully created the MATLAB simulation for the optical character recognition and translation with accuracy of 82.85%.
- Came up with the combination of Unicode in MATLAB to represent the Kannada characters for the translated Tulu characters.
- The project's scope when expanded for word and sentence classification using machine learning techniques will help to restore some of the oldest scripters in Tulu to Kannada.

FACEBOOK Messenger Weather Bot *(https://bit.ly/2xdBKl1)*

- Created a messenger bot that can interact with user and collect the location data and fetch the weather for the location chosen.
- The app used the open weather map API for the weather information and with the help of PhP curl html request, response and chat fuel bot platform. I was able to achieve my goal to build my first bot.
- This bot could be seen as a similar feature provided for weather info in AI platforms like Amazon Alexa and Google Home.

CERTIFICATIONS

- ***"Programming and Data Structure and Algorithm using Python"*** *from* **Indian Institute of Technology, Madras** (IITM) *(Reg No: NPTEL17CS28S2190163)* -2017

- *"Introduction to Modern Application Development"* from **Indian Institute of Technology, Madras** *(IITM) (Reg No: NPTEL16CS2323120133)* -2016
- **Ethical Hacking workshop** *from* **Indian Institute of Technology, Madras** *(IITM) (Verify 215117)* - 2018

SOFTWARE AND PROGRAMMING SKILLS

C/C++ (Data structure and Algorithms) ★★★⯪☆	**Python** (Data Structures and Algorithm, NumPy, Pandas, Sci-Kit) ★★★⯪☆	**MATLAB** (Cross-Correlation algorithm, Optical character recognition) ★★★☆☆

PHP (Scripting and curl html request) ★★★☆☆	**Java** (Data Structure and Algorithms) ★★☆☆☆	**JavaScript** (Scripting and ajax call) ★★☆☆☆