# RAHUL SIDRAMAPPA
# HOSKERI

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| Rahul664 | in rahulshoskeri-999

## Education

**University of California, Merced** | *5200 N Lake Rd, Merced, CA 95343*

M.S. IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

COURSEWORK: ADVANCE ALGORITHM DESIGN AND ANALYSIS, PARALLEL COMPUTING (PROGRAMMING MODELS: OPEN MP, *2019 - Now (2021)*
CUDA).

**Visvesvarya Technological University, India** | *MVJ College of Engineering, Bengaluru,560067*

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING [GPA: 3.45/4.0 OR 71%]

COURSEWORK: DESIGN AND ANALYSIS OF ALGORITHM, DATA STRUCTURES, UNIX AND SHELL PROGRAMMING, *2014 - 2018*
OBJECT-ORIENTED PROGRAMMING, DATABASE MANAGEMENT SYSTEMS, PROFESSIONAL ETHICS.

## Experience

**Wipro Technologies Ltd** *Electronic city, Bengaluru,IN-560100*

PROJECT ENGINEER *Jul 2018 - Dec 2018*

- Worked for Marsh and McLennan insurance project analyzing the insurance report data using the SAP Business Objects to study the business growth and report to help make the business decsions.
- 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

**Handwritten Optical Character Recognition (`https://github.com/Rahul664/OCR`)**

ENGINEERING 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:**
  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 scriptures in Tulu to Kannada.
- **Result:** Using the Cross-Correlation algorithm successfully created the MATLAB simulation for the optical character recognition and translation with accuracy of 82.85%.

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

PERSONAL

- **Objective:** Create a messenger bot that can interact with user and collect the location data and fetch the weather for the chosen location.
- **Implementation:** Using 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.
- **Scope:** This bot could be integrated as a Amazon Alexa skill or to the Google home.

## Programming Skills & Achievements

**C/C++,** (Data Structures & Algorithm) ●●●●○

**Python,** (Data Structures & Algorithm, Scripting, NumPy, Pandas, Sci-Kit) ●●●●○

**JAVA,** (Data Structures & Algorithm, Scripting) ●●●○○

**MATLAB,** (Optical Character Recognition& Scripting) ●●●○○

**PHP,** (Scripting) ●●●○○

**JavaScript,** (Scripting) ●●○○○

# Certifications

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|---|---|
| 2017 | **"Programming and Data Structure and Algorithm using Python"**, from Indian Institute of Technology, Madras (IITM) (NPTEL) Reg No: NPTEL17CS28S2190163 |
| 2016 | **"Introduction to Modern Application Development"** , from Indian Institute of Technology, Madras (IITM) (Reg No: NPTEL16CS2323120133) |
| 2018 | **"Ethical Hacking workshop"**, from Indian Institute of Technology, Madras (IITM) (Verify 215117) |