

## **SOWMIYA S**

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I intend to work in an environment that enhances my skill and motivates me to utilize my potential to the fullest extent. I promise to contribute to the company both individually as well as a team.

## **Experience**

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### **WEB SOFTWARE DEVELOPER**

*Rehash Technologies Pvt. Ltd.- NASSCOM, Oracle SCA, Axilor Ventures and Sonder connect Alumni*

Aug- 2019

Jun-2018

### **FOOD ORDERING CHAT BOT**

- Identified requirements and designed conversation flow for Business to Business chatbot to manage entities and Intents using Dialogflow.
- Integrated APP to USER notification to increase customer engagement using GRAPH API.
- Identified queries that bot can't answer and discussed error logs to improve systematic workflow.
- Integrated Facebook Messenger into website using Messenger platform's customer chat plugin to order food online without any apps.

### **CRM SOLUTIONS FOR RESTAURANT**

- Built Laravel Web Framework for Agile Application Development to implement E-Commerce solutions for Restaurants.
- Integrated external API, Facebook API and REST API to communicate with food ordering bot using guzzle.
- Hosted application on Amazon EC2 Instance to provide Scalability, Elasticity and Availability
- Built client websites with PHP/MySQL/JavaScript/Laravel Framework/CSS/HTML/AWS.
- Integrated Twilio, SwiftMailer Library and Amazon Simple Queue Service to send regular updates to customers and Integrated Payment Gateways like Stripe and Razorpay.
- Implemented Push notification to increase customer engagement using Service Worker.
- Built queries using AJAX and Json to update pages without refreshing the browser.
- Implemented PDF and Excel generator to send regular apprehensible reports to a Restaurateur.
- Implemented cloud storage driver (Amazon S3) for fast and easy access data and to provide durability.

### **INTERNSHIP**

*KGiSL (Kg Information systems pvt Ltd)*

May-2018

Jan-2018

- Implemented Automation of Fire Insurance Management System using Oracle for database and Java script for client side scripting in MVC framework as an academic project.

## Projects

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### Exploratory data analysis with model comparison and tuning

- performed normalization, data imputation, feature selection/engineering of the dataset and hyperparameter tuning.
- Different models predicted against the target variable and compared to determine the best model for Forest type Classification dataset.

### Machine Learning Projects using Tensorflow Js

- Implemented basic Plinko game using Tensorflow Js , Html and lodash function .
- Used KNN algorithm to predict bucket no into which the ball might fall.
- Implemented linear regression to predict boston housing price using tensorflow Js.
- Built a Tensorflow js model to recognize handwritten digits using MNIST dataset.

## MOOCs & Certifications

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- MACHINE LEARNING FOUNDATION NANO DEGREE PROGRAM BY UDACITY
- INTRODUCTION TO MODERN APPLICATION DEVELOPMENT BY NPTEL - INDIAN INSTITUTE OF TECHNOLOGY MADRAS
- BUSINESS ENGLISH CERTIFICATE BY CAMBRIDGE
- MACHINE LEARNING WITH JAVA SCRIPT – Udemy
- MACHINE LEARNING BY STANFORD UNIVERSITY- Coursera
- PHP & MYSQL CERTIFICATION BY KG I SL IT FINISHING SCHOOL

## Technical Skills

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FRAMEWORK: L ARAVEL

SCRIPTING LANGUAGES: PHP, JS

MARKUP LANGUAGES: HTML, CSS

IDE: JUPYTER NOTEBOOK

LIBRARIES: PANDAS , NUMPY , MATPLOT LIB , SEABORN , SC IKIT – LEARN, TensorFlow.Js

PROGRAMMING LANGUAGES: PYTHON

## Education

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### Anna University

B-Tech in Information and Technology; CGPA:6.8

Jun-2014  
May-2018

### St.Agnes Higher Secondary School

HSC; Computer Science; Percentage:79.00

Jun-2012  
Mar-2014

SSC; Percentage:90.00

Jun-2010  
Mar-2012