

# DHAVAL BAGAL

# Resume

#### CONTACT

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### **FOLLOW ME**

https://www.linkedin.com/in/ dhaval-bagal/

## **HOBBIES**

Drawing, Travelling, Teaching, Photo/Video

# TECHNOLOGY STACK

- Programming Languages
  - Python, C, Java
- Web Technologies

HTML, CSS, Javascript

■ Frameworks

Tensorflow, Pytorch, OpenCV, Flask, PySpark

■ Mobile App Development

Android Studio

Database Technologies

Firebase, MySQL, MongoDB

DevOps

Docker

# **PROFILE**

- Diligent, high-spirited Computer Engineer with a predilection towards Artificial Intelligence, Software and Product Development.
- B.E in Computer Engineering with an average CGPA of 9.36.
- Sound Knowledge of Artificial Intelligence with certifications of Deep Learning Specialization and Machine Learning.
- Successfully completed 11 academic projects of various scales.
- Published a research paper in IEEE and two articles on Medium.com
- Key Strengths: Python, Data Structures

#### EXPERIENCE \_\_\_\_

#### **FULL STACK INTERN**

Cere Labs Pvt. Ltd, Bhandup (Dec 2019 - Feb 2020)

- Developed a Python wrapper for Zoho Docs DMS.
- Developed a simple chatbot using the open source Rasa Framework.
- Developed a Chrome extension to capture user interactions on the web and synthesize instructions from it.
- Developed a Bank Logo classifier using CNNs in Tensorflow Keras.

# **TEACHING ASSISTANT**

Akanksha Foundation (Aug 2018 - Dec 2018)

- Majorly taught Mathematics and Science subjects to students from grade 9th to 12th.
- Supervised exams and assessed the papers.
- Took weekly tests to gauge the understanding level of the students.

# **EDUCATION**

# V.E.S INSTITUTE OF TECHNOLOGY

B.E (Computer Engineeering), 2016-2020

GPA: 9.36

# D.G. RUPAREL COLLEGE OF ARTS, SCIENCE AND COMMERCE

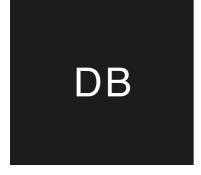
HSC, 2014-2016

Score: 89.38%

# ST. ANTHONY'S CONVENT HIGHER SECONDARY SCHOOL

SSC, 2005-2014

Score: 93%



# **SKILLS**

•	Python
•	HTML, CSS
•	Javascript
•	Pytorch Framework
•	Tensorflow, Keras
•	Deep Learning
•	Android Studio

# **CERTIFICATIONS**

- Deep Learning Specialization
  Coursera (Apr 2020 Jun 2020)
- Machine LearningCoursera (Aug 2019 Nov 2019)

# REFERENCES

- Mr. Devesh Rajadhyax
  (C.E.O, Cere Labs Pvt. Ltd.)
  devesh.rajadhyax@cerelabs.com
- Mrs. Laxmi Gounder (Principal, SACHSS)
   laxmigounder22@gmail.com

## **PROJECTS**

# MAJOR PROJECTS

Sahara: A Stanchion for the Visually Impaired (Jun 2019 - May 2020)

The project comprises of a handheld RPi server and an Android application as an interface unit which combinedly provides a system to assist blind people in their daily chores including currency recognition and counting, text reading and summarization, supermarket bill reading and color identification.

 Face Recognition and QR Code Technology based Smart Library System (Feb 2019 -Apr 2019)

The system uses face recognition and QR code detection to self-issue/return books. It also provides real-time location of the books using the camera feed for each shelf.

#### MID LEVEL PROJECTS

KnowMore: Your Secondary Brain (Feb 2020 - Apr 2020)

A Chrome extension along with a search engine that helps you record and retrieve references on the web.

Android based Pothole Detection System (Oct 2018 - Feb 2019)

A system that lets users report potholes by clicking pictures of them.

 8-bit Processor with 32KB RAM Circuit using Logicly Circuit Simulator (Mar 2017 - Apr 2017)

# MINI PROJECTS

- Chatbot using LSTM Network (Jun 2020)
- Intel Image Classification using ResNet50 (Jun 2020)
- Name Generator using Gated Recurrent Units (Jun 2020)
- Handwritten Digit Classification using Neural Networks built from scratch (Apr 2020)
- Association Mining using Cloudera Distributed Computing (Oct 2019 Nov 2019)
- Color based Object Segmentation (Oct 2019 Nov 2019)

## **ACHIEVEMENTS**

- Applied for a Patent titled "SYSTEM FOR AIDING VISUALLY IMPAIRED", Ref. No. 202021016810, Feb 2020.
- Grantee of MU Minor Research Grant worth INR 30,000, Mar 2020.
- Winner of Buzzpro Technical Paper Contest.
- First runner up at Pradarshan Project Exhibition, Mar 2019.
- First Ranker for the subject "Structured Programming Approach", Mar 2017.

# **Dhaval Bagal**