

# DB

# 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 Engineering), 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%

# DB

## SKILLS

- Python  
95%
- HTML, CSS  
95%
- Javascript  
80%
- Pytorch Framework  
60%
- Tensorflow, Keras  
60%
- Deep Learning  
75%
- Android Studio  
50%

## CERTIFICATIONS

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

## REFERENCES

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