

# Dhaval Bagal

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Portfolio: dhavalbagal.github.io

## PROFILE SUMMARY

- Diligent, high-spirited Computer Engineer with a predilection towards Artificial Intelligence, Cloud Computing, and Software 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.
- Demonstrated prowess in software development with 11 academic projects of various scales.
- Author of an IEEE research paper and two articles on Medium.com.
- Key Strengths: Python, Data Structures.

## EXPERIENCE

- **Cere Labs Pvt. Ltd** **Dec 2019 - Feb 2020**  
Performed Web Analytics by capturing user interactions using the Chrome extension.  
Developed a CNN based Bank Logo classifier using Tensorflow Keras.  
Worked with the Rasa framework to develop a simple chatbot.  
Developed a python package for Zoho Docs DMS.
- **Akanksha Foundation** **Aug 2018 - Dec 2018**  
Assisted the school leader in various tasks for students of grades 9 to 12.

## EDUCATION

- **V. E. S Insititute of Technology** **2016 - 2020**  
B.E, Computer Engineering CGPA: 9.36/10
- **D.G Ruparel College of Arts, Science and Commerce** **2014 - 2016**  
HSC Percentage: 89.38%
- **St. Anthony's Convent Higher Secondary School** **2005 - 2014**  
SSC Percentage: 93%

## PROJECTS

- Chatbot using LSTM Network Jun 2020
- Intel Image Classification using ResNet50 Jun 2020
- Name Generator using Gated Recurrent Units Jun 2020
- Sahara: A stanchion for the visually impaired Jun 2019 - May 2020
- KnowMore: Your Secondary Brain Feb 2020 - Apr 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
- Face Recognition and QR Code Technology-based Smart Library System Feb 2019 - Apr 2019
- Android-based Pothole Detection System Oct 2018 - Feb 2019
- 8-bit Processor with 32KB RAM Circuit using Logicy Circuit Simulator Mar 2017 - Apr 2017

## CERTIFICATIONS

- **The Bits and Bytes of Computer Networking** **Jul 2020**  
Coursera / Google
- **Deep Learning Specialization** **Apr 2020 - Jun 2020**  
Coursera
- **Machine Learning** **Aug 2019 - Nov 2019**  
Coursera / Stanford University

## 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  | Mar 2019 |
| • First runner up at Pradarshan Project Exhibition   | Mar 2019 |
| • First Ranker for the subject "Structured Programming Approach"                           | Mar 2017 |

## TECHNOLOGY STACK

- |                                  |   |
|----------------------------------|---|
| • <b>Programming Languages:</b>  | Python, C, Java                             |
| • <b>Web Technologies:</b>       | HTML, CSS, Javascript                       |
| • <b>Frameworks:</b>             | Tensorflow, Pytorch, OpenCV, Flask, PySpark |
| • <b>Mobile App Development:</b> | Android Studio                              |
| • <b>Database Technologies:</b>  | Firebase, MySQL, MongoDB                    |
| • <b>DevOps:</b>                 | Docker                                      |

## REFERENCES

- **Mr. Devesh Rajadhyax (CEO, CereLabs Pvt. Ltd)**  
devesh.rajadhyax@cerelabs.com
- **Mrs. Laxmi Gounder (Principal, S.A.C.H.S.S)**  
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