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 (Volunteer)**   **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 Logicly 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

- **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