

# ANIRUDDHA PRASAD DHAVALIKAR

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## TECHNICAL SKILLS

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**Programming languages:** Python, Java, C .  
**Frameworks:** Spring Boot, PostgreSQL, Kubernetes, SingleStore, Hibernate .  
**Technologies:** Artificial Intelligence, Machine Learning, Deep Learning, Image Processing.  
**Libraries:** Sklearn, TesnsorFlow, Pytorch, Pandas, Numpy, OpenCV.  
**Tools:** Git, Gerrit, JIRA, Jenkins, Confluence, Postman.

## EDUCATION

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| College Of Engineering, Pune  | 2021-2023   |
| <b>M.Tech – Computer Engineering   CGPA - 8.66/10.00</b>                      |             |
| MIT College of Engineering, Pune  | 2016 - 2020 |
| <b>B.E - Information Technology   CGPA -8.18/10.00</b>                        |             |
| Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE) | 2014-2016   |
| <b>HSC   Percentage – 74.62/100</b>   |             |
| Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE) | 2014        |
| <b>SSC   Percentage – 92.20/100</b>   |             |

## EXPERIENCE

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### SAS R&D, Pune | Software Developer-Intern | 2022-2023

#### Project: Integrating SingleStore in Pricing.

- Incorporated multi-DB support in Price Optimization.
- Researched and created new module that supports data retrieval from SingleStore.
- Performance analysis of PostgreSQL and SingleStore.
- SingleStore cluster deployment using kubernetes.
- Java | Hibernate | SpringBoot | Gerrit | API | JIRA | Confluence.

### My Travelogue Holidays | Software Developer-Intern | 2020

- CRM design.
- Design, build websites, using scripting languages
- React | Node | MongoDB | HTML | CSS

## PROJECTS

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### Git-Hub Data-Science Repositories

- Feature Engineering: [https://github.com/Apoorvdhavalikar27/Feature\\_Engineering](https://github.com/Apoorvdhavalikar27/Feature_Engineering)
- Machine Learning: [https://github.com/Apoorvdhavalikar27/Machine\\_Learning](https://github.com/Apoorvdhavalikar27/Machine_Learning)
- Natural Language Processing: <https://github.com/Apoorvdhavalikar27/NLP>
- PyTorch: [https://github.com/Apoorvdhavalikar27/Learning\\_With\\_Torch](https://github.com/Apoorvdhavalikar27/Learning_With_Torch)
- Mini-Projects: <https://github.com/Apoorvdhavalikar27/Projects>

### Disruptive Behavior Detection of Driver in Semi-Automated Vehicles | MTech Project | Deep Learning | 2023

- Created a multi-input deep neural network .
- Datasets: Vehicle sensor data of accelerometer and gyroscopic readings (CSV), Image dataset.
- Python, CNN, Tensorflow, SKlearn.

### **Object Detection using Mobile-Net | 2021**

- Created model to detect the objects from 80 different classes
- Input Data: Image File, Video File or Webcam Live Capturing as input
- Python, OpenCV
- [https://github.com/Apoorvdhavalikar27/Object\\_Detection\\_Mobilnet2020](https://github.com/Apoorvdhavalikar27/Object_Detection_Mobilnet2020)

### **Faces With glasses Classifier Website | 2021**

- Created Convolution Neural Network used to classify Images
- Django, Python, TensorFlow, SK-Learn
- [https://github.com/Apoorvdhavalikar27/Faces\\_With\\_Glasses\\_Classifier](https://github.com/Apoorvdhavalikar27/Faces_With_Glasses_Classifier)

### **Real Time Distracted Driver Detection | BE Project | Deep Learning | 2020**

- Created a machine learning model using a convolutional neural network.
- Training Data: Kaggle dataset of distracted drivers.
- Used the vgg16 transfer learning approach to assign weights to model.
- Testing Data: ESP32 cam for live capturing images & raspberry pi for live processing.

## **PUBLICATIONS**

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### **Real-Time Distracted Driver Detection System Using CNN And ESP32-CAM**

Journal name: INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY

Publication date: May 1, 2020

ISSN NO: - 2349-3585

Real - Time Image Capturing using ESP-32 Cam

VGG16 Transfer Learning Used Kaggle Distracted Driver Data-set used

## **LANGUAGES KNOWN**

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Marathi, Hindi, English

## **HOBBIES**

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Tabla, Piano, Cricket