

# Sahil Vartak

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 github.com/CoderSsVartak

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## Summary

Undergraduate Student in the field of Computer Engineering with impeccable leadership skills along with constant high grades and always keen on increasing the knowledge database. Always working towards the goal of gaining new experiences and expanding the boundaries of the comfort zone.

## Skills

- Tensorflow, Keras
- Python, Java, C++
- Linear Algebra
- Calculus
- HTML, CSS
- Javascript
- MySQL
- Backend frameworks (Django, Flask)

## Education

### Rajiv Gandhi Institute of Technology, Mumbai University

August 2017 - May 2021

**B.E in Computer Engineering: 9.65/10**

### Pace Junior Science College

July, 2015 - February, 2017

**HSC, 84%**

### Our Lady of Nazareth High School

June, 2004- March, 2015

**SSC, 93%**

## Certification

### Deep Learning Specialization



Jan 2020 - June 2020

DeepLearning.ai, Coursera

## Internship

### Project Intern at HDFC ERGO

June, 2019 - July, 2019

My main task as a project intern was to read the company's quotation sheets and segregate the essential information inside it as required.

## Publications

### Facial Image Denoising using CNN

Sahil Vartak, Bhagyashree Wad, Pratik Varandekar, and Dnyaneshwar Kapse

International Journal of Computational Engineering Research, Volume 11 - Issue 2 (February 2021)

### Facial Image Denoising and Reconstruction

Sahil Vartak, Bhagyashree Wad, Pratik Varandekar, and Dnyaneshwar Kapse

International Conference on Soft Computing and security Applications, June 2021, Tamil Nadu, India

## Interests

- Neural Networks
- Computer Vision
- Natural Language Processing
- Analysis of Algorithms
- Data Structures
- Database Operations

## Top Projects

### Facial Image Reconstruction and Image Denoising



July 2020 - March 2021

<https://github.com/CoderSsVartak/Image-Reconstruction>

This is my final year project, which is based on Convolution Neural Networks and Generative Adversarial Networks. The project's main aim is to reconstruct a facial image given a partial facial image.

### Sentiment Analysis on Twitter data using Recurrent Neural Networks



May 2020 - July 2020

[https://github.com/CoderSsVartak/Sentiment\\_Analysis](https://github.com/CoderSsVartak/Sentiment_Analysis)

The project makes use of Recurrent neural networks along with a pre-trained embedding layer which is trained using the GloVe algorithm. The model predicts the nature of a tweet whether it is a positive or a negative tweet.

### Password Generator



Feb 2020 - April 2020

[https://github.com/CoderSsVartak/password\\_generator](https://github.com/CoderSsVartak/password_generator)

It is a web app that enables the user to generate a new strong password, store their passwords in an encrypted format on the database. The app is also equipped to send emails to the user if a certain password needs to be changed or is changed. The technologies used for the same are Flask, MySQL, encryption algorithms, HTML, CSS, Javascript and JQuery.

## Position of Responsibility

- **Joint Sports Secretary for Student Council, RGIT**  
Nov, 2019 - April, 2020
- **Joint General Secretary, CESS, RGIT**  
June, 2019 - April, 2020
- **Assistant Technical Leader for ICARUS (Computer department)**  
Feb, 2019 - April 2019
- **Head Boy at Our Lady of Nazareth High School**  
July, 2013 - May, 2014

## Languages Spoken

- English
- Marathi
- Hindi