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## EDUCATION

### DJ SANGHVI COLLEGE OF ENGINEERING, MUMBAI

BE Computer Engineering

**2017-2021**

CGPA 9.86

### HILL SPRING INTERNATIONAL JUNIOR COLLEGE

HSC Vocational: Computer Science

**2017**

86.7%

### HOLY ANGELS' SCHOOL

CBSE 10<sup>TH</sup>

**2015**

CGPA 10

## SKILLS

**Programming Languages / Tools:** Java, C, Python, Javascript, SQL, Android (Java), Firebase, NodeJS, ExpressJS, Git, XML, HTML, CSS, Android Studio

## EXPERIENCE

### TATA CONSULTANCY SERVICES – Project Intern

**December 2019 - February 2020**

- Designed, developed and deployed a project for predicting customer churn in the telecom sector, with a web based frontend
- Technology: Spring framework and Machine Learning using Python
- Project Completion Certificate: [Certificate Link](#)

### PROTREX – Software Development Intern

**October 2019 - December 2019**

- Developed an efficient job scheduling algorithm to distribute and execute computationally expensive jobs on Raspberry Pi based homogeneous and heterogeneous clusters used in healthcare applications
- Technology: Python, Raspberry Pi

### UDAYAN SOLUTIONS – Web Development Intern

**August 2019 - October 2019**

- Designed and developed the company website and also helped in its hosting and search engine optimization
- Technology: NodeJS, Heroku

### DJ UNICODE – Android Development Mentee

**September 2018 - July 2019**

- Built an android app that helps teachers to maintain student's attendance records and the students to keep a track of their attendance (being used in Computer Engineering department of DJ Sanghvi College of Engineering)
- Technology: Android Studio (Java)
- App: [Play Store Link](#) and Project: [GitHub](#)

## PROJECTS

**NewsBhandar** (Android App for news viewing using News API and firebase authentication)

Project: [GitHub](#)

**Virtual Farmer** (Android App for farming guidance and irrigation planning using IoT)

Project: [GitHub](#)

**TheWeatherApp** (Android App for weather prediction using OpenWeatherMap API)

Project: [GitHub](#)

**MoneyManager** (Android App for money management guidance using firebase firestore)

Project: [GitHub](#)

**PotholeDetector** (Detection of potholes on Indian Roads using YOLOv3 and YOLOv4)

Project: [GitHub](#)

**ImageCaptioning** (Generating Captions from Images using Deep Learning (InceptionV3))

Project: [GitHub](#)

**QuizContest** (Quiz game with GUI using C language)

Project: [GitHub](#)

## PUBLICATIONS

**Virtual Farmer - Real Time Crop Prediction and Automatic Irrigation System**

**IEEE ICCCNT 2020**

*Research Paper* (Publication Pending)

IIT Kharagpur

**IoT and ML based Smart System for Efficient Garbage Monitoring**

**IEEE ICSSIT 2020**

*Research Paper* (Publication Pending)

FXEC, Tamil Nadu

**Combating COVID-19 using Object Detection Techniques for Next-Generation Autonomous Systems**

**Elsevier**

*Chapter in Elsevier: Cyber-Physical Systems: AI and COVID-19* (Publication Pending)

## AWARDS AND ACCOLADES

3<sup>rd</sup> prize at **CodeShastra 6.0 Hackathon** at DJ Sanghvi College of Engineering, Mumbai

**March 2020**

Won the **Lines Of Code 2.0 Hackathon** at DJ Sanghvi College of Engineering, Mumbai

**February 2020**

Placed amongst top 10 in **KJSCE Hackathon** at KJ Somaiya College of Engineering, Mumbai

**October 2019**

Received **Governor's Award** in Bharat Scouts and Guides

Won Silver Medal in **Homi Bhabha Young Scientist Exam**

## EVENTS

Participated in JPMC Code for Good 2020, DJ LOC 1.0 and 2.0, TSEC Hacks and CodeStorm, DJ CodeShastra 5.0 and 6.0.