KAUSTUBH KEKRE

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EDUCATION

DJ SANGHVI COLLEGE OF ENGINEERING, MUMBAI	**2017-2021**
BE Computer Engineering	CGPA 9.86
HILL SPRING INTERNATIONAL JUNIOR COLLEGE	` **2017**
HSC Vocational: Computer Science	86.7%
HOLY ANGELS' SCHOOL	**2015**
CBSE 10TH	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**
Electronic ISBN: 978-1-7281-6851-7   IIT Kharagpur
IoT and ML based Smart System for Efficient Garbage Monitoring   **IEEE ICSSIT 2020**
Electronic ISBN: 978-1-7281-5821-1   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

3rd 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.