

# Dhruv Shelke

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## Profile

Dedicated Full Stack Developer with a passion for creating efficient, scalable, and user-friendly web applications. Proficient in both front-end and back-end technologies, I bring a comprehensive skill set that spans from crafting responsive user interfaces to optimizing server-side performance. Friendly and engaging team player and leader able to inspire staff to perform their best. With a keen eye for detail and a commitment to staying abreast of industry trends, I am adept at delivering high-quality software solutions that meet and exceed client expectations.

## Skills & Abilities

- **Front-end:** HTML5, CSS3, JavaScript (ES6+), React.js
- **Back-end:** Node.js, Express.js, Python (Django)
- **Database:** MongoDB, MySQL
- **Frameworks:** Next.js, Vite.js
- **Version Control:** Git, GitHub
- **Deployment:** Vercel, Heroku, AWS, Netlify

## Education

### **BACHELOR OF ENGINEERING | AUGUST 2019-JULY 2023 | THAKUR COLLEGE OF ENGINEERING AND TECHNOLOGY**

- Degree in Electronics engineering with optional subjects like Advanced Database Management, Information Security, Computer Networks, HTML, CSS, Java, JavaScript and Python.
- Achieved a CGPA of **9.37** out of 10.

## Experience

### **WEB DEVELOPER AND SOCIAL MEDIA DIRECTOR | ROTARACT CLUB OF T.C.E.T. | JULY 2020 – JUNE 2021**

- Lead developer for Rotaract Club of TCET's website.
- Started on a Django framework and shifted to ReactJS landing page.
- Utilized essential SEO tools and keywords in the website and attained an increase of 28% in engagement rate.
- Handled the social media accounts of the club and saw an increase in social media engagements by 33%.
- Website accessibility increased our reach to various social bodies during a period of a global pandemic.
- Administered social events in both online and offline modes across 5 zones and 2 districts.

## Projects

### **FACE MASK DETECTION UTILIZING TENSORFLOW, OPENCV AND KERAS | IRJET, VOLUME: 10 ISSUE: 09 | SEP 2023, E-ISSN: 2395-0056**

- Used OpenCV for real-time image pre-processing and visualization, and the TensorFlow framework with the Keras API for creating and training a Convolutional Neural Network.
- Tested the efficiency of model with epochs to achieve 95.17% average accuracy over 2 datasets.
- Published paper in IRJET. Follow this link to access paper: [irjet/paper](https://www.irjet.net/archives/V10I09/IRJET-V10I09-11111.pdf)

### **SOLAR TRACKING FOR EFFICIENT CHARGING | IJIRSET, VOLUME 12, ISSUE 5, MAY 2023 E-ISSN: 2319-8753**

- Used Arduino IDE, and electronic components such as LDRs and motor drivers, to achieve more efficient charging than conventional solar panels.
- Compared efficiency at 3 different periods of time.
- Accomplished an 18% increase of efficiency over traditional solar panels.
- Achieved success in various competitions and published paper in IJIRSET.
- Published paper in IRJET. Follow this link to access paper: [ijirset/paper](https://www.ijirset.com/papers/IJIRSET-V12I05-11111.pdf)

## Certifications and Trainings

### **REACT.JS | INTERNSHALA**

- Learnt about Core react concepts of Hooks, libraries, function blocks and components.
- Made several projects by using different concepts of React alongside Firebase, MongoDB, etc.
- Scored 96% in the final exam covering all the concepts of React.js

### **TCS NQT-IT | TCS NATIONAL QUALIFIER TEST**

- Scored 70% in TCS NQT-IT examination of October-2023.
- Cleared cut-off marks for Coding exam using python3.

### **SOFTWARE ENGINEERING VIRTUAL EXPERIENCE | J.P. MORGAN**

- Interface with stock price data feed.
- Used J.P. Morgan frameworks and tools.
- Use C++/python for displaying live stock feed.

### **PYTHON AND DJANGO WEB DEVELOPMENT | UDEMY**

- Learnt about Core concepts of Python.
- Cleared basic concepts of HTML, CSS, JS for web development.
- Implementation of Django and integration of simpler web development tools.

## Achievements

- Secured 3rd place in IOT- SIAC Paper publishing contest.
- Acquired various scholarships and qualified for Olympiads.
- Achieved 3rd rank in High School with 95.20%