

# Pranav Arya

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## EDUCATION

**Indian Institute of Technology Roorkee, India**  
Bachelor of Electronics and Communication Engineering

2020 - 2024

## EXPERIENCE

### Its-Time (Co-Founder)

Jun 2022 - Nov 2022

- Worked in a **team of two** to Setup up **CICD**, and **GitHub Actions** for **React** and **Node** based web app on **Heroku**
- **Upgraded** Front-end in a **team of 3**, **reducing** the loading time from **5 sec** to **2 sec**, also setup **linting and pre-commit**
- Made the website responsive, made the SEO and integrated **lazy loading**, increasing the usability by **70%**

### Mentor Plus (Frontend Internship)

Feb 2022 - Apr 2022

- Integrated **Google Auth** and **Calendly**, for user registration and **Razorpay** for managing financial activities
- Created **dashboard**, **login**, and **demo** workflow using **NEXT.js**, **increasing** the traffic on **the website** by **20 to 25 %**
- Enriched the **UI**, integrated **cookies** also **improved the speed** and **SEO**, using **lazy loading** and **next-image**

### Instaminutes (Web Developer, Internship)

Sep 2021 - Jan 2022

- Worked in the **integration** of numerous **APIs** and **libraries** for **Audio processing** and **transmission** to the **back-end**
- Made **responsive UI** using **NEXT JS** and **SCSS**, establishing strong UI for the platform
- Integrated **Google calendar** to **store** meeting notes for **online meetings reducing time** to search for notes

## PROJECTS

### Traffic Violation Detection System (Inter IIT Tech Meet 10)

Jan 2022 - Mar 2022

- Trained a **Deep Learning model** based on the **Yolo algorithm** to **detect traffic offenders** with an efficiency of **80%**
- Increased data set by **25x** using **OpenCV** and image augmentation techniques such as **flipping and blurring**
- Developed **Web interface** using **Django** for hosting the model and storing evidence and number plate of the offenders

### Essumit Portal (E-cell, IIT Roorkee)

Nov 2021 - Jan 2022

- **Worked** in a team of developers to create a platform for managing **2000+** delegates, using **NEXT** and **Django**
- **Upgraded backend** for assigning tasks, monitoring and evaluating over **500+ Campus Ambassadors** using **Django**
- Made website **SEO** using **NEXT-SEO**, bringing the website to **top search result**, getting **sponsorship** worth **10 lacks**

### Delta Portal (E-cell, IIT Roorkee)

Aug 2021 - Aug 2022

- As a **project leader**, delegated a team of developers and designers to build a Web-Based internship portal
- Build **APIs** on Django **saving, creating posts**, and **applying to Internships** for **10000+** students, hosted on AWS
- Upgraded the frontend in **React.js** and made the website **responsive**, enhancing it for **65-75%** of the users

### Multi-copter Simulation (Aries, IIT Roorkee)

Apr 2021 - Jul 2021

- Built a **python-based** software in a **team of 4**, for **drone automation** using **ROS** and **DroneKit**, **simulated on Gazebo**
- Made functionalities for **autonomous takeoff**, visiting **GPS way-points** and **autonomous landing**
- The code was tested using **simulated on Gazebo** in **ROS** on **Linux**, The jury found it to be **100% efficient** in simulation

## ACHIEVEMENTS

**Secured Global Rank 1786** Google Kickstart Round C 2022

**Secured Global Rank 3530** Google Kickstart Round E 2021

**Gold Medal** in Engineer's Conclave at Inter IIT Tech Meet 10 for a project in deep learning

**A++ coder on Github** with 1.8k + contributions

## TECHNICAL SKILLS

**Programming languages:** C++, Python, JavaScript, Es6

**Web Technologies::** Django, React, Next.js, SCSS, CICD

**Software Packges:** Matlab, Ros, VScode

**Mislanious** Git, GitHub, Yolo, OpenCv

## POSITIONS OF RESPONSIBILITY

### Tech Head at E-cell and Essumit in IIT Roorkee:

Leading a team of talented developers and creative designers to build PWA and web platforms for E-cell

### Core Team Member Aries IIT Roorkee:

Build projects related to DL and ROS also actively contributed to and mentored projects in web development.

### Dev Head at Sports council and Inter IIT Sports 2022:

Led a team of developers to make web portals for Inter IIT Sports meet that will be used across all IIT'S.