




Pranav Arya

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EXPERIENCE

Mentor Plus

Feb 2022 - Apr 2022

Frontend Internship

Remote

- Integrated multiple **SDKs** such as **Calendly**, **Razorpay** and **Google Auth**, which increased the sales conversion rate
- Created **dashboard**, **login**, and **demo** workflow using **NEXT.js** which **enhanced** the **user experience**
- Enriched the **UI** and integrated **cookies**, which also helped in analytics

Instaminutes

Sep 2021 - Jan 2022

Web Developer, Internship

Remote

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

PROJECTS

Traffic Violation Detection System

Jan 2022 - Mar 2022

Inter IIT Tech Meet 10

[GitHub link](#)

- Invented a **Deep Learning model** based on the **Yolo algorithm** to **detect traffic offenders** with efficiency of 80%, further used **OpenCV** for **image processing** and data expansion
- Developed **Web interface** using **Django** to store proof and number plate of traffic offenders

E-ssumit Portal

Nov 2021 - Jan 2022

E-cell, IIT Roorkee

[Website link](#)

- **Managed** and collaborated in a team of developers and designers to **create a Summit Portal** for **registration** and **secure payment** of over **2000+** delegates along with **maintenance** and **scaling** of the platform using **NEXT.js**, **Django**.
- **Upgraded backend** along with the development of **CA dashboard** for assigning tasks, monitoring and evaluating over **500+ Campus Ambassadors** using **Django** and **Django Rest**.
- Made website **SEO** using **NEXT-SEO** and insights from **Google-Analytics**, bringing website to the **top search result**, aiding to get sponsorship worth 10 lacks

Delta Portal

Aug 2021 - Aug 2022

E-cell, IIT Roorkee

[Website Link](#)

- As a **project leader**, delegated a team of developers and designers to build a Web-Based College internship portal for opportunities from Alumni Startups with 20+ roles getting registered on the first day
- **Upgraded the backend** and build **Django based APIs** for **saving posts**, **using bookmarks**, and **applying to Internships** for 10000+ students and 500+ faculty on campus hosted on AWS
- Enhanced the overall **UX** using **bootstrap**, **MUI** and **Sematic UI** with a particular focus on **mobile** and **tablets** enhancing the site for 75 percent of the users

E-cell Website

Apr 2021 - Aug 2021

E-cell, IIT Roorkee

[Website link](#)

- **Developed** and collaborated with a team of developers to make **responsive web pages** and **components** in **React.js** styled using **CSS** and **Bootstrap**, also integrated **API's** using **React Hooks** and **Axios** to share resources and improve entrepreneurship culture in campus

Multi-copter Simulation

Apr 2021 - Jul 2021

Aries, IIT Roorkee

[GitHub link](#)

- Worked in a team of four and 2 mentors to make **python-based** software for **drone automation**, with the aim for automatic takeoff, visiting **GPS way-points** and autonomous landing using **ROS** and **DroneKit**, **simulated on Gazebo**, communication using **Adrupilot** in **ROS** on **Linux**, which was found to be 100% efficient in simulation

EDUCATION

Indian Institute of Technology Roorkee, India

2020 - 2024

Bachelors of Electronics and Communication Engineering

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

TECHNICAL SKILLS

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

Software Packages: Matlab, Ros, VScode

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

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 aspiring entrepreneurs to scale all web platforms under E-cell

Core Team Member Aries IIT Roorkee:

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

Dev Head at Sports council and Inter IIT Sports 2022:

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