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**
- Developed **dashboard**, **login**, and **demo** workflow using **NEXT.Js** which **enhanced** the **user experience**
- Upgraded **UI** and integrated **cookies**, which increased the sales conversion rate

Instaminutes — Sep 2021 - Jan 2022
Web Devloper, Internship — Remote
- Worked in the **integration** of numerous **APIs** and **libraries** for **Audio processing** and its **transmission** to the **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 — Jul 2020 - Nov 2020
Inter IIT Tech Meet 10 — **GitHub link**
- Invented a **Deep Learning model** based on the **Yolo algorithm** to **detect traffic offenders**, further we used **OpenCV** for **image processing** and data expansion
- Devloped **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 worked 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**, brought it to the **top search result**, aiding to get enormous sponsorship

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 in 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 it 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 its **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 — Aug 2021 - Present
Aries, IIT Roorkee — **GitHub link**
- Worked in a team of four to make **python-based** software to run **autonomous drones**, sending **GPS way-points** using **ROS and DroneKit**, using **simulation on Gazebo and mission planner** with the help of **Adrupilot** and **ROS** on **Linux**, which in future could be used for drone delivery system

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 Packges:** 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