

CAREER OBJECTIVE

To be a part of an organization where I can fully utilize my skills and make a significant contribution to the success of the institution and at the same time my individual growth.

EXPERIENCE

Oxygen 2 Innovation: Software Engineer

July'19 – June'20

- AI - AdTracker - AI-based tool to keep track of all types of Advertisements running on live TV.
- AI - Situational Awareness System - AI-based Real-Time Object tool integrated with Army Vehicle to detect and alert them about suspicious activities in different Riot situations.
- IoT - Smart Plug - DIY Kit for School Students through which they can control an electrical appliance with the help of an Android App.
- IoT - IECS - A system on LinkIt One board for Health Monitoring and Position Tracking of the soldier.
- NodeJS - APIs for IoT Projects.

Oxygen 2 Innovation: Robotics Engineer - Intern,

Jan'19 – June'19

- ATV - Pixhawk controlled ATV, Wireless Control with Autonomous Path Planning.
- Drones - Payload Delivery(Smoke Grenades/Life Jackets/), Surveillance, Tilt Rotor Tricopter.
- DFTC - Tool to calculate Flight Time of the Drone on various parameters
- AI - Smart Mirror - DIY Kit for School Students through which they can see weather info, time, date and Health status of their family persons with their current location.

Microcontroller Based Systems & Robotics Hub, IIIT Noida: Head Student Coordinator,

July'17- June'18

- Given lectures on manual, autonomous robotics, wireless communication, IoT for college students.
- Managed internal and external affairs.
- Successfully organized and managed a total of 14 events (2016-18) in annual cultural and technical fests of the college.

TECHNICAL SKILLS

- Areas of Interest: Robotics, IoT, Web Development, Project & Team Management
- Languages: Node.js, React.js, Arduino(Embedded C), JavaFX, Python
- Software Skills: Git, HerokuApp, OpenCV, Image Processing, YOLOv3
- Hardware Skills: Arduino, ESP8266, ESP32, nRF24L01+, LinkIt One, Raspberry Pi, Pixhawk
- Database: MySQL, H2, MongoDB

KEY PROJECTS

- Switch Simply:** An integrated system that enables any electrical socket to be controlled via the internet.
- Event Registration:** App for managing events and register participants.
- Booking Management System:** App through which we can create/update/delete and manage bookings of Banquette Hall.
- WhatsApp Chat Analyser:** App that visualises the no of text messages sent by the user, & time spent on Whatsapp.
- Self-Balancing Bot:** Bot which can balance itself on two wheels using PID controller.
- Quadcopter:** Quadcopter with custom made remote and flight controller.
- Rescue Bot:** Bot that senses and send live footage of the scenario of a collapsed building to the outside world.
- Alarobic Clock:** A alarm clock that turns off only when doing a particular exercise.
- Wireless Controlled Bot:** Bot that can be controlled via the internet, limited ranged remote, or Bluetooth.
- Head Gesture Controlled Wheelchair:** A wheelchair that can be controlled with head gestures.

ACHIEVEMENTS & HONORS

- Published **Research Paper** in **IC3 Conference 2019** on the topic "**A step towards Home Automation using IoT**"
- 2nd Prize** in Technocreed'15, and **3rd Prize** in Impressions'16 (LFR), Techfest held at IIIT, Noida.
- 2nd Prize** in Manual Robotics 2015, held at SRM University
- 2nd Prize** in Technovoltz, during Techfest'15, held at IIT, Bombay.
- 1st Prize** in Automation, during Cyber Srishti 2016, Techfest held at IIIT, Noida.
- 2nd Prize** in Robocon, during ESYA'16, Techfest held at IIIT, Delhi.
- 2nd Prize** in LFR, during Endeavour'17, Techfest held at KIET, Ghaziabad.
- 2nd Prize** in Project Exhibition during Cyber Srishti 2019, Techfest held at IIIT, Noida.
- College Ambassador in Techfest'16, a Techfest held at IIT, Bombay.

EDUCATIONAL QUALIFICATION

Degree	Discipline	Institute	Location	Year
B. Tech.	Computer Science	Jaypee Institute of Information Technology	Sec 62, Noida	2019
Senior Secondary	CBSE	Delhi Public School	Agra	2015
High School	CBSE	Delhi Public School	Agra	2013

PERSONAL PROFILE

DOB: 03-10-1997

Languages Known: English, Hindi

Preferred Location:  Delhi NCR

Hobbies: Listening Music, Sports, Working on Challenging Projects