

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	CGPA/%
B. Tech.	Computer Science	Jaypee Institute of Information Technology	Sec 62, Noida	2019	5.7 (7.7 8 th Sem)
Senior Secondary	CBSE	Delhi Public School	Agra	2015	91.6%
High School	CBSE	Delhi Public School	Agra	2013	9.0

PERSONAL PROFILE

DOB: 03-10-1997

Preferred Location: Delhi NCR

Languages Known: English, Hindi

Hobbies: Listening Music, Sports, Working on Challenging Projects