HARSH KUMAR SINGH

Agra, UP
India - 282007

(+91) 8979604159
hkumarsingh142@gmail.com
linkedin.com/in/its-harsh

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.

EDUCATIONAL QUALIFICATION

Degree	Discipline	Institute	Location	Year	CGPA/%
Bachelor of Technology	Computer Science	Jaypee Institute of Information Technology	Sector 62, Noida	2019 (Expected)	5.4 (7th Semester)
Senior Secondary	CBSE	Delhi Public School	Agra	2015	91.6%
High School	CBSE	Delhi Public School	Agra	2013	9.0/10

EXPERIENCE

Oxygen 2 Innovation: *Robotics Engineer,* Jan'19 – Present

- Made projects for paramilitary forces (CRPF, RAF).

Microcontroller Based Systems & Robotics Hub, JIIT Noida: *Head Student Coordinator*, July'17- June'18

- Given lectures on manual, autonomous robotics, wireless communication, IOT for 1st, 2nd, & 3rd year students.
- Managed internal and external affairs.
- Successfully organized and managed a total of 14 events in annual cultural and technical fest of the college.

TECHNICAL SKILLS

- Programming Languages: C/C++, Java, SQL, MongoDB, Arduino, Node.js
- Areas of Interest: Embedded Systems, Robotics, IOT, App Dev, Web Dev, Project Management, Team Management
- Software Packages: Arduino IDE, NetBeans, Code Blocks, Atmel Studio, VS Code, MS Visual Studio
- Hardware Skills: Arduino, ESP8266, LinkIt One, Raspberry Pi, Wireless Communication, Sensor Integration

KEY PROJECTS

- QUADCOPTER: Quadcopter with custom made remote and flight controller.
- SELF BALANCING BOT: Bot which can balance itself on two wheels.
- 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 when doing a particular exercise.
- PIT FILLER: An autonomous bot that detects and fills the pits in its way.
- WIRELESS CONTROLLED BOT: Bot that can be controlled via internet, limited ranged remote, or Bluetooth.
- HEAD GESTURE CONTROLLED WHEELCHAIR: A wheelchair that can be controlled with head gestures.
- IOT ELECTRICAL SWITCHES: A device that enables any electrical socket to be controlled via internet.
- QUEUE TIME ESTIMATOR: Based on the queue density, it calculates the approx. time taken to reach the counter.
- WHATSAPP ANALYZER: App that plots the graph between the day of the month and number of messages.
- EVENT REGISTRATION: App that automatically fetches the data of the participants registered in previous event.

ACHIEVEMENTS & HONORS

- **2nd Prize** in Technocreed'15, and **3rd Prize** in Impressions'16 (LFR), Techfest held at JIIT, 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 JIIT, 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 JIIT, Noida.
- College Ambassador in Techfest'16, a Techfest held at IIT, Bombay.
- Participated in Project Exhibition during **IC3 Conference 2016 & 2017**, held at JIIT, Noida.
- Participated in Mesh Flare, during Techfest'16, held at IIT, Bombay.

PERSONAL PROFILE

DOB: 03-10-1997 **Nationality:** Indian
Gender: Male **Languages Known:** English, Hindi
Hobbies: Listening Music, managing events, Coding, Working on new projects
Preferred Location: Noida, Delhi, Gurugram