**HARSH CHAUHAN**

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**Objective**

Looking forward to an opportunity for working in a dynamic, challenging environment, where I can utilize my skills for developing my career and for the growth of the organization.

**Academic Qualification**

* B.E(Computer) from Pune university with first class in 2018
* 12th science from HSC Board with 70.46% in 2014
* 10th from SSC Board with 86.36% in 2012

**Professional Skill Set**

* Operating System: Windows XP/07/10, Ubuntu, Fedora.
* Languages: C, C++, Java, HTML, Css , jQuery ,PHP,SQL, JavaScript.
* Framework : Laravel
* Networking: CCNA.
* Did Internship at Maxdigi solutions.
* Currently working at webwing technologies as a php developer.

**Academic Project**

**Project name:** IOT based crop field monitoring and irrigation automation  
**Language of implementation:** C, HTML, android, arduino coding.  
**Operating system:** Windows 07  
**Description:**   
A smart way of automating farming process can be called as smart agriculture. Agriculture is the primary occupation in our country. Traditional way reduces the productivity as well as there is wastage of water. To overcome this problem smart irrigation system using IOT is developed. This project includes various sensors like Soil moisture, PT100, BH1750, Float sensor to sense the physical parameter. Arduino is used to control all the sensors. The data is handled remotely using Android app. Evapotranspiration algorithm is used to calculate accurate requirement of water. KNN algorithm is used to predict the crops for particular geographical zone. This product would increase the productivity of farm as proper amount of water only would be supplied to the plants.

**Personal Strengths**

* Positive Thinking
* Open to any challenging work
* Good learner by observation
* Problem solving skills
* Hardworking
* Sincerity towards the work

**Extra-Curricular Activities and Hobbies**

* Participated in various nation level project competitions.
* Participated in various technical and non-technical events.
* Interested in playing cricket and counter strike.
* Attended various workshops and seminars on IOT.

**Personal Details**

**Date of Birth:** 2nd Nov 1996  
**Languages Known:** English, Hindi, Marathi and Gujarati.  
**Address:** Flat no 10, Mahananda appt, upnagar, nashik-422101.