

Name: Er. Ashish Saini

Work Experience

- Current working: Embedded Engineer at SkillIT Nation (Delhi)
- Completed Internship with Prime Vision Automation Solution
- Project accomplished on: ARM, AVR, Microchip, Arduino and Raspberry Pi
- Workshops Delivered on Technologies: Robotics, IOT, Python ,Web Development, Cyber Security, Machine Learning and Big Data.
- Workshops delivered at: MIT (UJJAIN), JNU (Jaipur), OCT(Bhopal), KLU(Vijayawada), JVWU (Jaipur) etc.

Accomplished Projects with active participation:

Automated Four Way Traffic Light Signal

- Platform: AVR Microcontrollers
- IDE: AVR Studio
- Language: Embedded C
- Duration: Aug-2015 to Sep-2015

Bird Concept based Drone

- Platform: Arduino
- IDE: Arduino 1.8.3
- Language: Embedded C
- Duration: January-2016 to Sep-2016

Weather Forecasting Using Data Mining

- Platform: Python & R
- IDE: Anaconda
- Language: Python
- Duration: March 2017 to May-2017

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Andro Humanoid

- Platform: Raspberry PI
- IDE: Python IDE and Open CV
- Language: Python
- Duration: December 2016 to October 2017

Object Detection using Deep Learning

- Language: Python
- IDE: Anaconda and Open CV
- Language: Python
- Duration: December 2017 to Present

Some ongoing IOT & AI using Python based projects:

- Cancer Prediction Using Data Mining.
- Text mining of any text format database
- Self-Balancing Robot
- Mining of customer behaviour of any retail shop.
- Tensor Flow Image Recognition on a Raspberry Pi
- Recognizing Objects with Deep Learning
- IOT Based Home Automation
- IoT Home Security Model

Technical Expertise:

- Language Known: C, C++, Python, Java, HTML, CSS
- Operating System: Windows, Ubuntu, Raspbian and Fedora
- Hardwares: AVR and 8051 microcontrollers, Arduino Development Board and Raspberry Pi
- Software Tools: Proteus, Express PCB, MATLAB, KEIL uvision, Anaconda, AVR Studio 6.1, Xilinx

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Educational Qualifications:

B-Tech:

- Jaipur National University, Jaipur, Rajasthan
- Qualified Year: 2016
- Branch: ECE

M-Tech:

- Jaipur National University, Jaipur, Rajasthan
- Status: Pursuing 2016 to Present
- Specialization opted: Embedded System