Manavjeet Gupta

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Education

Indian Institute of Technology, Patna   *July.2017 - PRESENT*

B.Tech in Computer Science and Engineering   *CGPA 7.44/10*

- Final Year

Examination	Board	Institute	Year	CGPA/%
Senior Secondary	Cental Board of Secondary Education	JNV Bundi	2016	91.6%
Secondary	Cental Board of Secondary Education	JNV Vrindavan	2014	10CGPA

Main Projects

Home Automation   *Solo Project*

Innovation Lab (Major), CSE Dept   *Jan. 2019 - Apr. 2019*

- Used Raspberry pi and arduino to decode any IR based remote signals.
- Sending these control signals from web pages, android application user Interfaces.
- Used the decoded signal to send and control IR sensor enabled home appliances, like AC's and TVs, using Raspberry Pi and Arduino.

INFINITO-2K19   *Assigned by infinito Committee*
(Link for the android App)

Sports Management Android App   *Aug.2019*

- The main feature of this app is to guide user in the campus and provide updates on scores and other additional info and support.
- Some additional features include providing custom Google Map to navigate within the campus and find the places where events were scheduled.
- For Backend, Firebase realtime database was used .
- It's the first time to launch app for infinito, so I alone developed it.

Lizard Bot   *Group Project*

Bio-Inspired Robotics , CSE+ME Dept   *Completed*

- We made a lizard bot, which was 20 cm long and sucessfully completed the task of walking on a straight path without giving any control from outside. (build from scratch, from the designing of the bot to 3D printing of all of its body part, assembling and navigation in non-supervised mode.
- I was only the CS member in my group, which contained 5 students and hence I was responsible for all the coding parts as well as helping in the other parts also.

Additional Projects

Monitor From Far   *Self Interest*

Internet of Things (IoT)   *Aug.2018-Dec 2018*

- Observed temperature of a room, when it crossed a particular range, a buzzer ranged and a message on my phone and an email was successfully sent.
- Used BoltIot micro-controller,mailgun and some other different libraries to achieve it.

A module for project/Journal management systems   *College Project*

Project Management System (Web Development)   *Aug.2019-Dec 2019*

- Using CSS and HTML, created Web Interface, for project/Journal management systems for users of intranet.
- Language used PHP, for storage MySQL database.

Additional Learning

Learning Big Data from Coursera
Self Interest

By University of California San Diego
In Progress from Aug-2020

- completed "Introduction to Big Data"
- In progress "Big Data Modeling and Management Systems"

Specialisation in Deep Learning from Coursera
Self Interest

By Andrew Ng
In Progress from June-2020

- Out of the 5 courses in this specialisation
  completed "Neural Networks and Deep Learning" and "Improving Deep Neural Networks"
- In progress "Structuring Machine Learning Projects"

Position of Responsibility

Web and App Co-ordinator

INFINITO-2k19-<Sport Fest of IIT Patna>
Jul.2019-Jun-2020

- I was one and only responsible for android App support for the INFINITO fest.

Member of DSC-IoT

Developer Student Club
Jan.2019-PRESENT

- It's a club for the students of all branches who have to developed some interesting projects or want to develop. Here each one is being helped and help each other.

Achievements

Terrace Farming Robots for Hilly Areas
Inter-IIT Tech Meet- 2019

Got Bronze (Team Project)
Dec.2019

- This project was evaluated by DIC in Inter-IIT Tech-Meet 2019(Dec), and on the performance and technicality , we got "bronze medal" .

Panasonic Rattichhatra Scholarship

One of Top 30
Dec.2017

- This scholarship is given to only 30 students of all the 23 IITs, which is based on online test and telephonic interview.

Samsung Star Scholarship

One of Top 150
Jan.2018

- This Scholarship is given to top 150 students of JNVs which has been enrolled in NITs or IITs on the base of their JEE Advanced rank.

Technical Skills and Courses

That Matters!!

- Competative Programming:- Using C++
- Programming Languages:- C, C++, JAVA, PHP, Python, SQL, Assembly Language,Latex
- Web and App:- Android Studio(SDK), Flutter, HTML, JAVA, PHP
- Controllers and Processors:- RaspberryPi, Adruino, BoltIoT, 8085, 8086
- Courses:- Data Structure and Algorithms, Computer Architecture, DBMS, Computer Network, Formal Automata Theory, Bio-Inspired Robotics, Discrete Mathematics