

# KUMAR SIDDHANT

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## **SUMMARY:**

Graduate student at Rutgers University majoring in Computer Engineering and have a work experience of 3 years in the field of Software Development. Have worked on research projects based on Robotics, AI and animation and want to broaden my knowledge in the field of Machine Learning and Computer Vision. Presently enrolled in courses like Deep Learning and Computer Intervention in Medicine. Actively looking for Research Assistant opportunities in the summer in the field of Computer Vision.

## **EDUCATION:**

RUTGERS UNIVERSITY-NEW BRUNSWICK, USA  
MS in Computer Engineering, CGPA : 3.33/4

Expected 2019

NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA, INDIA  
Bachelor of Technology, Electrical Engineering, CGPA: 8.48/10

2014

## **TECHNICAL SKILLS:**

Java, C, C++, HTML, CSS, JavaScript, jQuery, Android

Familiarity with: Struts, ATG, Spring Cloud, ATMEGA Microcontroller, PV Panel, Boost Converter, AVR Studio, Python, MATLAB, Python Ogre, PSpice

## **AWARDS AND HONORS :**

Certificate of Recognition in appreciation of extraordinary efforts and contribution to Self Service and Wireless Mobility in April 2017

Team award for outstanding performance for the project TMP in April 2017

Special Recognition Award from the Executive Director for commitment to excellence in Verizon in December 2016

Spotlight award for commitment to outstanding performance in Verizon in December 2016.

Spotlight award for commitment to outstanding performance in Verizon in August 2016.

## **EXPERIENCE:**

### **VERIZON DATA SERVICES INDIA**

Analyst System Dev

August 2014 – Present

Hyderabad, India

(Java, HTML, CSS, JavaScript, jQuery, Struts, ATG, Spring Cloud)

- UI development of MyVerizon application and bug fixes.
- Middleware/Backend development and bug fixes.
- Gained end to end expertise on Products and Apps page and played a key role in the development of a new module under Products and Apps which is used for marketing new offers and deals for a limited period.
- Gained entry level experience on development of micro services to build cloud friendly application.

## **PROJECTS**

### **Context Validation using smartphone**

Rutgers University New Brunswick

Electrical and Computer Engineering Dept.

August 2017 – December 2017(1st semester)

(Python, Android)

- An Android app namely Context Validation was built to capture context information like GPS location, cell tower info, LAC, battery level, timestamp and the data was stored them in the database.
- Based on the location captured, the location prediction was done by using machine learning algorithm using the HMM model.

### **MPPT tracking using micro-controller (B.Tech project)**

National Institute of Technology Rourkela

Electrical Engineering Dept.

August 2013 – May 2014(8th semester)

(ATMEGA Microcontroller, PV Panel, Boost Converter, AVR Studio)

- (FOC) Voltage Algorithm was implemented micro-controller to a PV panel. The micro-controller was then programmed to modulate the pulse width to the boost converter based on the voltage level of the PV panel to achieve MPPT.

### **Swarm Animation and Virtual vision**

Indian Institute of Technology Guwahati

Electrical and Electronics Engineering Dept.

May 2013 – July 2013 (Summer Internship)

(Python, MATLAB, Python Ogre)

- Multi-robot-based coordination and the study on their behaviour as they come across an obstacle. The robots are programmed and controlled by the algorithm of Swarm Intelligence.
- The simulations are first carried out in MATLAB and a 2D and 3D animation was run on MATLAB and Python Ogre respectively.

### **Home Automation System using GSM module**

National Institute of Technology Rourkela

Cyborg project, January 2012

(AVR Studio, ATMEGA, GSM)

- The project was based on remote control of home appliances using micro-controller(ATMEGA32) interfaced with a GSM module.
- The micro-controller was programmed to send signals depending on the message received by the GSM module.