# Manish Kumar Valakonda

B.Tech IV Year
Computer Science & Engineering
Indian Institute of Technology, Patna

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## Education

- **Bachelor of Technology, Computer Science & Engineering**                                    **Dec'16**
  **Indian Institute of Technology, Patna (IIT Patna)**                    CGPA: **8.16/10**
- **Higher Secondary Certificate, Board of Intermediate Education, A.P**                    **May'12**
  **Narayana Junior College, Dilsukhnagar, Hyderabad, A.P.**            Aggregate: **95.8 %**
- **Secondary School Certificate, Board of Secondary Education, A.P**                    **May'10**
  **Bhashyam Public School, Habsiguda , Hyderabad, A.P.**            Aggregate: **94.2 %**

## Experiences

- **DATA ANALYSIS OF MARINE INCIDENTS**                                    **May'15-July'15**
  (Guide: Dr. Loganathan Ponnambalam, **Institute of High Performance Computing, A*STAR, Singapore**)
  - Extraction of incidents and vessels data from marine incident reports of marine investigation agencies. Content Analysis of the data extracted using Nvivo and generating heat maps using the extracted data.
- **ESM TRACK SIMULATOR**                                    **May'14-July'14**
  (*Guide: Dr. Sunil Kumar, Scientist-D, **Defence Electronics Research Laboratory (DLRL),** Hyderabad*)
  - Developed an application which simulates the ESM (Electronic-Warfare Support Machine) Track system. This application has two parts- Simulator and Server. Data is shown **graphically** on the simulator and it can be edited. These changes get reflected at the server. Worked in a team of 2.
  - Technologies used: **Qt(cross-platform framework of C++), Qt Creator.**

## Academic Projects

- **Developed a Course Management System**                                    **Jan'14 – Apr'14**
  (*Guide: Dr. Samrat Mondal, Assistant Professor, IIT Patna*)            link: **http://goo.gl/koxEog**
  - Developed a web-based software for the management of courses by faculty and students. Contributed towards development of discussion forum and polling and also managed database. Worked in a team of 5 members.
  - Technologies used:  HTML, CSS, BOOTSTRAP JavaScript, Django and MYSQL
- **Battery Alert App**                                    **Aug'14 – Nov'14**
  (*Guide: Dr. Joydeep Chandra, Assistant Professor, IIT Patna*)            link:**http://goo.gl/xyOCko**
  - App for alerting closed ones (family/friends) when battery is low and also increases battery level by disabling battery consuming features(Bluetooth, brightness .. etc.).

## Technical Skills

- **Languages** - C, C++, JAVA, Python.
- **Databases** – MySQL.
- **Web Languages** – HTML, Django.
- **Tools –** Android SDK, Netbeans IDE, QT

## Extra-Curricular Activities

- Currently, **Training and Placement cell coordinator** of CSE Department for 2016 Batch.
- "**Ethical Hacking**" Training Program held by Wegilant Net Solutions during June - July 2013
- Participated in Robotic competitions named "Robo Soccer", "Hydraulic Arm" and won **Third Prize** in "Hydraulic Arm"
- Organized events "Peinture" and "Syngphony" and worked as a volunteer in **Media & Public Relation** and in **Anwesha**, a Techno-cultural fest of IIT Patna.

## Achievements

- **IIT JEE RANK - 3891** (Stood among 1% of 5 lakh aspirants)
- Recipient of **Academic Proficiency Award** for the years 2003-04, 2004-05, 2008-09