

# **Curriculum Vitae**

**Amit Singh**

CONTACT NO: +91 8840413808

EMAIL: [amit.pme16@iitp.ac.in](mailto:amit.pme16@iitp.ac.in)

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## **Career Objective**

Dynamic, Skilled and Experienced Engineering Professional with extensive knowledge in the field of condition monitoring and developing Electromechanical, and Pneumatic System. I'm willing to work in a Core Engineering Organization as researcher or Engineer, where I can contribute my knowledge and 4 years of experience.

## **Educational Qualifications**

Examination	Board/University	School/College	Year of Passing	Percent age %
Ph.D (Mechanical Engineering)	IIT Patna	IIT Patna	2016(Ad mission)	Dropout in 2018
M.tech (Mechatronics Engineering)	IIT Patna	IIT Patna	2015	7.3
B.tech (Mechanical Engineering)	Gautam Buddh Technical	Pranveer Singh Institute Of Technology	2013	77.32
HSC	U.P.	Shivaji inter college, Keshav nagar, Kanpur	2008	66.6
SSC	U.P.	Chacha Nehru Smarak inter college, kanpur	2006	64

## **Area of Interest**

- Condition monitoring.
- Electromechanical system.
- Mechatronics system design.
- Advanced sensor system.
- Referegeration and Air Conditioning.
- Mathematical Modelling.

## **Internships and Seminars**

- 3 weeks industrial training on **Product Familiarization In Heat Exchangers** from **Bharat Heavy Electricals Limited** Haridwar.
- Workshop on **Condition Monitoring of Mechanical System using Advance Signal Processing** at IIT Indore.

## **Projects**

### **1. B.tech Project**

- Line Follower Robot. (Mini Project)

#### **Major Project- (Thesis)**

- Remote Controlled, Electrically Operated Hydraulic Jack.

### **2. M.tech Projects**

#### **1<sup>st</sup> year projects**

- Jaw Bone Dynamics.
- Matlab Analysis of Double Inverted Pendulum.
- Collision Free Robot using FIREBIRD V.
- Seminar on Articulated Mobile Robots used in Space Research.

#### **M.tech Thesis**

- Fault detection of induction motor through instantaneous speed parameter.

## **Work Experience**

### **1. R&D Engineer**

**Organisation - Industrial Robotics Solutions, Ghaziabad**

**Duraton- 2 year 2 months ( 1<sup>st</sup> January 2018 – 29<sup>th</sup> February 2020)**

**Responsibilities -** Planning, performing, and involvution of various experiments.

### **2. Assistant Research Fellow**

**Organisation – IIT Patna**

**Duration- 1year ( 1<sup>st</sup> May 2015 – 15 June 2016)**

#### **Projects-**

- Technology Gap Analysis and Long Term Technological Intervention for Rice Mill Cluster at Lakhisarai, Bihar”, project No. R&D/SP/ME/TIFAC/RML/2015-16/118.

- Technology Upgradation and Common Facility Centre (CFC) for Rice Mill Cluster at Lakhisarai, Bihar”, Project No. R&D/SP/ME/TIFAC/RML/2015-16/119.

- Investigator and Co-investigator – Dr. Somnath Sarangi (Associate professor – IIT Patna) and Dr. Somnath Roy (Assistant Professor – IIT Kharagpur)

### **3. Teaching Assistant at IIT Patna During M.tech and P.hD** **Duration – 2 Years**

#### **Subjects :**

1. Metrology and Measurement. (B.tech)
2. Mechanical Workshop. (B.tech)
3. Mathematical Modelling of Mechanical Systems. (M.tech)

## **List of Publications**

#### **International Conference papers -**

1. Selected a conference paper in PESA-2015 (**Power Electronics System Application**), **Hong Kong**.
2. Selected a conference paper in WCCM-2019 (**World Conference on Condition Monitoring**), **Singapore**

## **Achievements**

1. Selected for **Visvesvaraya P.hD fellowship 2016**.
2. Qualify **GATE (ME) 2019** exam with **99.57** percentile.
3. Qualify **GATE(ME) 2016** exam with **95.53** percentile.
4. Qualify **GATE(ME) 2013** exam with **96.82** percentile
5. Certificate of ‘**Autocad**’ from **CADD CONCEPT**.
6. Certificate of ‘**Autocad**’ from **AUTODESK** via national level online test.
7. Certificate of ‘**C, C++**’ from **MICROSOFT**.
8. Certificate of **CCC** from **National Institute of Electronics and Information Technology**.

## **Strength, Weakness and Hobbies**

### **1. Strength-**

- Team Worker
- Quick Learner
- Consistent Hard Worker

### **2. Weakness-**

- Public Speaking
- Hesitate to say No

### **3. Hobbies-**

- Learning New Softwares
- Playing Piano

## **Software Proficiency**

Platform : Windows  
Packages known  
Modeling : Auto CAD, Autodesk Inventor  
Computational : MATLAB  
Data acquisition : LABVIEW, PULSE  
Word Processor : MS Word, Latex

## **Personal Profile**

1. Father's Name : Mr. Ganesh Prasad Verma
2. Date of Birth : 28 oct 1991
3. Languages Known : Hindi, English
4. Address : 127/635 T-2 Gauri Kripal Villa Keshav Nagar Kanpur  
U.P. 208014

## **Decleration**

I hereby declare that all the information mentioned above is true to the best of my Knowledge.

Date :  
Place:

**Amit Singh**