# Pawan Kumawat

Undergraduate Student (3<sup>rd</sup> Year)
Department of Mechanical Engineering
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## Areas of Interest

Machine Learning

Analytical Problem Solving

Competitive Programing

Probabilistic Graphical Model

## Academic Journey

| Semester | I | II | III | IV | V |
|---|---|---|---|---|---|
| SPI | 7.43 | 7.33 | 7.88 | 8.00 | 8.58 |

## Technical Courses

**Undertaken in Academic Process**
- Probability and Statics
- Probabilistic Graphical Model
- Network Security

**Other Courses**
- Machine Learning by Stanford University on Coursera
  **Deep Learning Specialization by deeplearning.ai on Coursera**
- Neural Network and Deep Learning
- Improving Deep Neural Network: Hyperparameter Tuning ,Regularization and Optimization
- Structuring Machine Learning Project

## Computer Skills

- Programming Languages :  C , Java , Python
- Data Structure
- Algorithm Design
- Machine Learning
- Deep Learning

## Extracurricular Activities

- Badminton          *Football          * Cricket          *Music          *Travelling

## Project

- **Summer project  2017**
  Flywheel -based Regenerative  Braking system
  Supervisor:  Dr. Amit Tyagi , Assistant Professor, Department of Mechanical Engineering

  ->Prepared a working model of regenerative braking system on bicycle
  ->It can be used to improve efficiency of braking system

* **Exploratory project (Sem III)**
  Estimation of capacity factor of wind turbine
  Supervisor:  Dr. Arnab Sarkar , Assistant Professor, Department of Mechanical Engineering

  ->We estimated  capacity factor of different wind turbine and compared them
  .
* **B.Tech Project – Corporate Risk management   (Undergoing)**
  ->      Predicting dollar prices using Machine Learning algorithms on Dollar price datasets.
  ->      Deciding margins taken for future contracts based on dollar price fluctuations

## Personal Information

Gender  -  **Male**      DOB -  **01/01/1997**        **Jawasiya, Dist. – Mandsaur, Madhya Pradesh (458002)**