



# PAWAN KUMAR AGRAWAL

ASPIRING DATA SCIENTIST & DATA ANALYTICS (LEARNER & TRAINER)

PhD in Mechanical Engineering (Pursuing) + MBA (HRM)

[www.github.com/PawanKumarAgrawal/Data-Science-Machine-Learning-Projects](https://www.github.com/PawanKumarAgrawal/Data-Science-Machine-Learning-Projects)

[www.kaggle.com/pawankumaragrawal/code?scroll=true](https://www.kaggle.com/pawankumaragrawal/code?scroll=true)

\*\*\* Secured 186 Rank out of 2500 appeared candidates in Analytics Vidhya JOB-A-THON - November 2022 for Data Scientist aspirants.

## CONTACT

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### WEBSITE:

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### ADDRESS:

Kichha, Uttarakhand, India

## SKILLS:

### Analytical Skills

● ● ● ○ ○

### Problem Solving

● ● ● ○ ○

### Python

● ● ● ○ ○

### SQL

● ● ● ○ ○

### Analytical Skills

● ● ● ○ ○

### Data Analysis

● ● ● ○ ○

### Power BI

● ● ● ○ ○

### Data Science

● ● ○ ○ ○

## SUMMARY

As a highly qualified mechanical engineering post-graduate with a PhD and an MBA in human resource and financial management, I bring over 11 years of experience in the core hydroelectricity generation sector. My expertise includes extensive exposure to data related to this field, including creating energy accounts and preparing data banks on Excel sheets to track various operating parameters.

Currently, I am further enhancing my technical skills by mastering Python, SQL, Power BI, machine-learning, and other data analytics & data science software. With a strong aptitude for mathematics and statistics, I am well-equipped to excel in roles in data science and data analytics, leveraging my rich industry experience and continuous learning mindset.

## CERTIFICATIONS

### ❖ General Data Science and SQL

<https://www.testdome.com/certificates/6356e54229c440f3a8bdf3fc1887686f>

### ❖ SQL (Basic)

<https://www.hackerrank.com/certificates/iframe/c99cf664ad70>

### ❖ Python (Programming Language)

[https://www.linkedin.com/skill-assessments/Python%20\(Programmings%20Language\)/report/](https://www.linkedin.com/skill-assessments/Python%20(Programmings%20Language)/report/)

## WORK EXPERIENCE

### Research Scholar

01 July 2020– till date

(Green Polymers & Composites)

**G. B. Pant University of Agriculture & Technology**  
**Pantnagar, Uttarakhand**

- Working on the development of Eco-friendly, Non - toxic, Biodegradable, Bio-compatible Thermoplastic based Green Composite.

## Machine Learning



## Deep Learning



## Numpy



## Pandas



## Matplotlib



## Seaborn



## Scikit - Learn



## Feature Engineering



## Microsoft Office



## Google Spreadsheet



## Mechanical Engineering



## Hydroelectricity Generation



## Hydropower Operation



## Team Management



## Team Leadership



## Team Motivation



## STRENGTHS:

Hard Worker

Good Learner

Steady & Focused

## LANGUAGES:

English



Hindi



## HOBBIES:

♥ Motivation

♥ Meditation

♥ Deep Meditation

## Junior Engineer

23 Nov 2004 – 14 Mar 2016

UJVN Limited

Dehradun, Uttarakhand

(A hydropower generation company of Uttarakhand government)

- Performed Operation & Maintenance duties at different hydro-power stations (Up to 240 MW installed capacity) of UJVN Limited.
- Prepared daily generation report & monthly energy accounts.
- Prepared data bank of various operating parameters.
- Helps the authorities in making annual maintenance budget.
- Made & placed purchase orders (work orders and supply orders).
- Billing of contractors.
- Made preventive & corrective maintenance of all the essentials, auxiliaries & accessories of hydro power station like turbine generators, generator transformers, cooling system, switchyard, LT/switchgear room, distribution boards, supply boards and compressors etc.
- Manage the inventory for day to day maintenance work.
- Made stock and T & P accounts on daily and monthly basis.
- Handled team size of 15 - 20 members (Including technicians, skilled & semiskilled labor).
- Communicate & motivate the team members, resolve their disputes and trained them during maintenance work to meet the target smoothly.
- Made man-days statement, absentee statement, overtime statements, handling various leave cases and appraising the performance of team members.

## Lecturer of Mechanical Engineering

06 Aug 2004 – 28 Oct 2004

Moradabad Institute of Technology

Moradabad, Uttar-Pradesh

(Educational Institute)

- Taught Mechanical Engineering based courses like Thermodynamics, Mechanical Engineering etc.

## Graduate Engineering Trainee

06 Apr 2000 – 26 Dec 2000

Anand Nishikawa Co. Ltd.

Rudrapur, Uttarakhand

(A manufacturer of rubber sealing product of automobiles)

- Worked as a supervisor in the production department & lead a team up to 15 members

## EDUCATION

PhD (Mechanical Engineering)

01 July 2020 – till date

Green Polymers & Composites

GPA - 8.27/10.00

**G. B. Pant University of Agriculture & Technology  
Pantnagar, Uttarakhand**

**\*\*\*Topped in University Entrance Exam & got University Fellowship  
for 36 months.**

**MBA (HR & Financial Management)      01 July 2016 – 30 June 2018**  
**Marks   -   68.72 %**

**Uttarakhand Technical University  
Dehradun, Uttarakhand**

**M. Tech. (Mechanical Engineering)      01 July 2002 – 30 June 2004**  
**(Flat Plate Solar Collector)**  
**GPA   -   8.28/10.00**

**G. B. Pant University of Agriculture & Technology  
Pantnagar, Uttarakhand**

**\*\*\*Qualified GATE – 2002 with 94.10 percentile & got MHRD  
scholarship for 24 months.**

**B. Tech. (Mechanical Engineering)      01 July 1994 – 30 June 1998**  
**GPA   -   4.061/5.000**

**G. B. Pant University of Agriculture & Technology  
Pantnagar, Uttarakhand**

**Intermediate      01 July 1990 – 30 June 1992**  
**Marks   -   63.00 %**  
**U. P. Board, Uttar Pradesh**

**High School      01 July 1988 – 30 June 1990**  
**Marks   -   65.83 %**  
**U. P. Board, Uttar Pradesh**

## **PERSONAL DETAIL**

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**Date of Birth      -   10 Dec 1976**  
**Father's Name    -   Hari Ram Agrawal**  
**Religion          -   Vaidic**