

# PIYUSH KUMAR

## ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Indian Institute of Technology (BHU) Varanasi	8.48	2024
CBSE (XII)	H.S. Academy, Varanasi	86.80	2019
CBSE (X)	DAV Public School	95.00	2017

## SKILLS

**Skillset:** Creative Writing, Data Analysis, Research, Case Study, Draft Making, Machine Learning, Data Science

**Soft Skills:** Communicator, Public Speaking, Team player, Fast Learner, Accountable, Highly motivated

## EXPERIENCE

### SPARDHA - IIT BHU (India's one of the Largest Sports Fest)

- **Senior Advisor Content** Aug 2023 - Present
  - Interviewed and build a strong Content team of 6 members and trained them for the content preparation specific to different requirements which may arise during the fest.
  - We able to managed content of the Sports fest with participants from **70+** colleges.
- **Content Head** Aug 2022 - Oct 2022
  - Crafted the festival theme, led a 10-member strong content team & handled excessive writing contents under hard boundaries of deadlines. (Contents like writing Accept/Decline/Invitation/permission/medical letters, etc.)
- **Publicity Executive** Aug 2021 - Oct 2021
  - Communicated with principals and sports councilors of 100 plus Engineering colleges across the Nation.
  - Maximized participation in 18 sports conducted by Spardha - 2020

### Data Science Internship | Exposys Data Labs

Jun 2023 - Jul 2023

- Build a **Face Verification system** - An application that enables face-based verification. Reviewed FaceNet and DeepFace, Based on **FaceNet**, used a pre-trained network architecture that represents ConvNet and follows the Inception model.

## PROJECTS

### B.Tech Project

**Currently researching and co-authoring a paper in Machine Learning based Ms Temperature prediction in Medium Entropy Alloys - (A High Grade Alloys with high corrosive resistance) under Assistant Professor Dr. Praveen Sathiyamoorthy, Department of Metallurgical Engineering, IIT BHU.**

- Gathered a dataset of Low-Carbon Steel with its each principle element's weight composition as features and developed a machine learning model prediction MsT.

### Credit Risk Analysis | Binary Classification

**Financial institutions invest a tonne of money in credit risk analysis.**

- Performed exploratory data analysis (EDA) on the independent variables using data visualisation libraries.
- Trained **XGBoost** and the **LightGBM** classifiers and identified genuine customers with an accuracy of 93.36%.
- Evaluated the model on accuracy and plotted the confusion matrix, precision-recall curve, and ROC curve. Project Repository - [Credit Risk Analysis](#)

## HONOURS AND ACHIEVEMENTS

- **National Rank - 20** in an online poetry competition, conducted by S7 **Highest rated on Google - 2021.**
- **Finalist** in CASEX'21, A Case Study competition conducted by E-CELL, IIT (BHU) Varanasi

## EXTRA-CURRICULAR ACTIVITIES

- Member, **The Literary Club**, IIT (BHU) Varanasi. Represented my college in **Inter-IIT cult-5.0** at **IIT MADRAS.**
- **Event Head and Judge, Jagriti'23** Conducted a Hindi poetry competition and judged a RAP competition in Jagriti'23, organized by **Social Service Council, IIT (BHU).**