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)**.

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