

PUNEET KUMAR RAI

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Mining Engineering IIT (BHU), Varanasi	8.13	2026
CBSE (XII)	MJRP Public School, Ghazipur, U.P.	96.00	2021
CBSE (X)	MJRP Public School, Ghazipur, U.P.	95.40	2019
SKILLS			
<ul style="list-style-type: none">• Languages C++, Python, C, MySQL• Tools Canva, VS Code, Excel, Jupyter Notebook, Photoshop• Soft Skills Leadership, Teamwork, Communication, Management• Technologies/Framework Pandas, Numpy, Seaborn, OpenCV, Beautiful Soup, Scrapy, Matplotlib, Scikit-learn			
PROJECTS			
Mineral Classification using ML Computer Vision		Sep 2023-Nov 2023	
<i>Under the supervision of Dr. Amarendra Kumar</i>			
<ul style="list-style-type: none">• Researched about Image Segmentation, Classification and Object Detection to create a Machine Learning Model.• Implemented CNN Efficient-Net Architecture and Developed a Model to classify Minerals with 94 percent Accuracy.			
Twitter Sentiment Analysis NLP			
<i>(Text Preprocessing, NLP, Machine Learning)</i>			
<ul style="list-style-type: none">• Preprocessed tweets with stemming, lemmatization, and feature extraction using Bag-of-Words and TF-IDF, achieved an F1-score of 0.55.• Developed and evaluated sentiment classification models using diverse text representations, optimizing accuracy through advanced preprocessing techniques.			
Predicting Employee Performance Index			
<i>(Feature Engineering, Supervised Learning, ML Algorithms)</i>			
<ul style="list-style-type: none">• Performed EDA, Label Encoding, and Standardization to preprocess data, identified key predictors through correlation analysis.• Trained predictive models using Logistic Regression, Random Forest, SVM, and XGBoost, achieved 93% accuracy through hyperparameter tuning of Random Forest with GridSearchCV.			
POSITION OF RESPONSIBILITY			
PR Executive Kashiyatra'24		Nov 2023-Feb 2024	
<ul style="list-style-type: none">• Collaborated with a team of 25 individuals to successfully execute the Annual Socio-Cultural Festival of IIT(BHU).• Organized a series of 90+ Events in a span of 3 days involving a footfall of over 60,000+ people.• Effectively managed multiple guests and coordinated prominent pronite events.			
Induction Mentor SCS IMP 2023-24		Aug 2023-May 2024	
<ul style="list-style-type: none">• Mentored 20+ freshers of the Mining Department on academics, extracurriculars, and overall career paths.• Ensured prompt adjustment of freshers with the college culture by in-person Interaction and made Opportunities more accessible to them.			
PR Coordinator Technex'23		Jan 2023-Mar 2023	
<ul style="list-style-type: none">• Operated under the guidance of seniors to manage the Technex'23, the annual Techno-Management Festival of IIT(BHU) Varanasi.			
HONOURS AND ACHIEVEMENTS			
<ul style="list-style-type: none">• First Position in Online Theme Photography, Inter IIT Cultural Meet 6.0• Second Position in Online Photostory Competition, Inter IIT Cultural Meet 6.0			
EXTRA-CURRICULAR ACTIVITIES			
Core Team Member - The Photography Club IIT(BHU)		May 2023 - Present	
Organized various workshops to boost club offerings and member participations, contributed to the club's growth, planned and managed key activities for successful events.			

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