



Registration Number: 23BAI11396
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Vikash Kumar

Technical Skills: C++, Python, Java, HTML/CSS/JS, ML

Certification:

- Networking Basics - Cisco
- Cloud Computing - NPTEL
- Fundamentals Of AI & ML - VITyarthi

EDUCATION			
Board	Tenure	Educational institution	CGPA/Percentage
B.Tech (CSE) AI & ML	September 2023 - Ongoing	VIT Bhopal University, Bhopal	8.80/10
Class XII	July 2022	Nalanda Academy, Anantpura	85.6 %
Class X	July 2020	Heritage International School, Palamu	96.8 %

ACADEMIC PROJECTS	
Machine Learning	Smart Water Tank Management using Hybrid Deep Learning and Ensemble Models <ul style="list-style-type: none">• Description: Built a two-stage system for forecasting water demand and optimizing refill decisions using a hybrid LSTM + Transformer model and ensemble classifiers (XGBoost, Random Forest).• Technology: Python, TensorFlow, Scikit-learn, XGBoost, Pandas, Google Colab• Achievements: Achieved ~94.56% accuracy in demand forecasting and over 96% accuracy in refill decision classification using XGBoost.
Machine Learning	Machine Learning for Drug Discovery using ChEMBL <ul style="list-style-type: none">• Description: Developed a machine learning model to analyze bioactivity data from ChEMBL and predict potential drug-target interactions.• Technology: Python, Pandas, NumPy, Scikit-Learn, RDKit, ChEMBL API.• Result: GNN model achieved 87.9% accuracy, outperforming the Random Classifier's 75%.
Web - development	Days Left Countdown Chrome Extension <ul style="list-style-type: none">• Description: Developed a visually engaging Chrome new tab extension that displays a live countdown to a target date, complete with dynamic progress bar, motivational quote, and time breakdown.• Technology: HTML, CSS, JavaScript• Role: Designed the UI, implemented countdown logic, and ensured interactivity and responsiveness.

CO-CURRICULARS	
Coding	<ul style="list-style-type: none">• Leetcode• Geeks for Geeks• Codeforces - newbie(366)

EXTRA-CURRICULARS	
Experience	<ul style="list-style-type: none">• Volunteer & Anchor - ICSDP Conference 2023 – Organized by IEEE VIT Bhopal Student Chapter.• Core Member - EDU4U Club (Content Team) – Worked on content creation and event planning.

ADDITIONAL INFORMATION	
Hobbies	<ul style="list-style-type: none">• Reading books, Playing Badminton, playing chess, Learning about psychology and sociology.
Languages	<ul style="list-style-type: none">• English, Hindi