

# BAIBHAV BITTU TIWARI

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
IDD	Architecture Planning and Design IIT (BHU), Varanasi	7.91	2026
SBTE, Bihar (XII)	Government Polytechnic, Patna-7	75.77	2019
BSEB (X)	Rastriya High School Dilian, Dehri	79.20	2016
SKILLS			
<b>Languages</b> : Python, JavaScript, SQL			
<b>Tools/Frameworks</b> : Power BI, Matplotlib, Seaborn, Plotly, NumPy, Pandas, HTML, CSS, Requests, Beautiful Soup, Selenium, Playwright, Scrapy, TensorFlow, Keras, Scikit-learn, Prophet, ARIMA, ARCH/GARCH, ANN, CNN, LSTM, Gemini, API Integration			
<b>Interests</b> : Data Science, Machine Learning, Web Scraping, Gen AI			
PROJECTS			
<b>Crypto Trading Strategy for InterIIT Tech Meet</b>			
<ul style="list-style-type: none"><li>Applied statistical techniques using <b>15+ technical indicators</b> (SMA, EMA, RSI, MACD) for signal extraction.</li><li>Developed and fine-tuned a <b>Random Forest</b> Classification model to identify breakout and breakdown patterns.</li><li>Achieved <b>82% accuracy</b> , demonstrating robust model performance.</li><li>Implemented <b>risk management</b> by minimizing holding time and using parameter tuning to optimize trading outcomes.</li><li><b>Exposure</b> : Python, Machine Learning, Random Forest, Technical Indicators, Data Visualization, Figma, Backtesting.</li></ul>			
<b>Climate Prediction Using LSTM Neural Networks</b>			
<ul style="list-style-type: none"><li>Implemented LSTM neural networks to forecast <b>daily mean temperatures</b> in Delhi.</li><li>Achieved MSE of approximately <b>35.27</b> and R<sup>2</sup> score of <b>0.82</b>, demonstrating model accuracy.</li><li>Utilized data preprocessing, <b>model tuning</b>, and evaluation techniques for climate prediction.</li><li><b>Exposure:</b> LSTM, Neural Networks, Data Preprocessing, Model Evaluation, Climate Forecasting.</li></ul>			
<b>Automated News Aggregator and Summary Generator</b>			
<ul style="list-style-type: none"><li>Implemented a system to fetch <b>real-time Google trending</b> searches from different countries using RSS feeds.</li><li>Scraped and cleaned data to <b>extract</b> relevant news snippets</li><li>Integrated <b>Gemini API</b> for natural language processing to generate concise news summaries.</li><li>Designed a pipeline to <b>automatically email</b> summarized news updates to subscribers.</li><li><b>Exposure:</b> Gen AI, Natural Language Processing, Web Scraping, API Integration</li></ul>			
POSITION OF RESPONSIBILITY			
<b>Co-Head, BASH 6.0, Business Club   IIT BHU</b>			Dec '23 - Apr '24
<ul style="list-style-type: none"><li>Co-led 6th edition of BASH, an <b>international event</b> organized by the Business Club IIT BHU, which had <b>2500+</b> participants from 6+ countries.</li><li>Organized and managed <b>6</b> diverse business-related <b>competitions and workshops</b> in product development and finance to consulting, marketing, and analytics, achieving a prize pool of <b>220k INR</b>.</li></ul>			
<b>Senior Core Team Member, Business Club   IIT BHU</b>			Aug '23 - Present
<ul style="list-style-type: none"><li>Led and mentored <b>30+ junior members</b> and <b>100+</b> first-year students, enhancing their skills and engagement.</li><li>Collaborated with <b>50+ members</b> to organize high-impact finance competitions for freshers and conducted <b>brainstorming sessions</b> in finance and analytics.</li></ul>			
HONOURS AND ACHIEVEMENTS			
<ul style="list-style-type: none"><li>Represented IIT BHU at <b>Inter IIT Tech Meet 12.0</b> in the Mid-Prep competetion of <b>Crypto Trading Challenge</b>, securing 10th place among ~20 teams from different IITs.</li><li>Secured <b>2nd</b> place <b>among 400+ teams</b> at Synergy 23, an esteemed event organized by VGSoM, IIT Kharagpur, in Feb 2023.</li></ul>			

**T:** +919060664929    **E:** baibhavbittutiwaari@gmail.com    **LinkedIn:** www.linkedin.com/in/baibhavbittutiwaari

**Address:** C/O Sunil kumar Tiwary, new Area, Jora Mandir, Dehri ,Rohtas ,Bihar, India