

Shubham Kashyap

+91 9651868919 shubhamkashyap7232@gmail.com

Education

National Institute of Technology, Raipur

Final year , (Expected May 2026)

Bachelor of Technology (BioTechnology)

Raipur, CG

- **Relevant Coursework:** , Advanced Mathematics (Calculus) , OOPS , XML and Programming Fundamentals , Data Structures and Algorithms (Java), Data Science and Statistics , BioInformatics and DBMS

Experience

AIIMS Raipur

May – July 2024

Research Intern

Raipur, CG

- Research in following departments : **BioChemistry , Radiotherapy , RadioDiagnosis , Nuclear Medicine , Pathology , Orthopedics**
- Analyzed and interpreted experimental data using **Excel / Python / statistical tools to derive insights for research conclusions.**

Water Treatment Plant

May 10th - July 10th

Summer Internship

2025, Bhatagaon, Raipur

- Gained **hands-on experience in water treatment process, data analysis, and teamwork**
- Evaluated plant performance, **achieving a 98% reduction in contaminants**

Projects

1. Stock Price Prediction Web App [[here](#)] | Machine Learning – Python, TensorFlow, Streamlit, GitHub

- Developed a **Recurrent Neural Network (LSTM) model** for time-series forecasting to predict stock prices using historical market data.
- Implemented **data preprocessing (MinMax scaling, feature engineering) and technical indicators (RSI, MACD) for enhanced predictive accuracy.**
- Built an interactive dashboard using Streamlit, enabling **real-time training and price prediction** for any stock ticker.
- Tech Stack: **Python, TensorFlow/Keras, NumPy, Pandas, Matplotlib, Scikit-learn, YFinance, Streamlit, Git**

2. Image Caption Generator | Computer Vision + NLP

- Build a deep learning model that takes an image and generates a descriptive caption.
- **Tech: PyTorch, CNN, RNN/LSTM, Attention Mechanism, COCO dataset.**
- Combines **CNN (for image feature extraction) and LSTM/Transformer (for language generation)** – shows multi-domain expertise.

Technical skills and Achievements

AI/ML: TensorFlow/Keras , Model , YFinance , NumPy , Pandas , Data Preprocessing , Streamlit , PyTorch

Languages: Java , Python

Data Skills: Matplotlib , Seaborn , Power-BI , SQL/MySQL, Excel

Interests

Football Player- Represented Biotechnology in College

Documentary Enthusiast