

ISHAN GUPTA

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Ghaziabad, Uttar Pradesh

SUMMARY

Motivated and detail-oriented BCA student with hands-on experience in Python, C++, and Machine Learning. Skilled in developing data-driven applications using Flask, Scikit-learn, and Pandas. Passionate about building efficient and scalable software solutions, with strong problem-solving, analytical, and teamwork abilities. Eager to apply technical knowledge in real-world projects

Technical Skills

- **Languages:** C++, Python, SQL, HTML & CSS
- **Tools:** Git, GitHub, Power BI, VS Code, Jupyter Notebook
- **Libraries/Framework:** Numpy, Pandas, Matplotlib, Scikit-learn
- **Core Concepts:** Data Structure & Algorithms, OOPS, AI/ML

Projects

Boston House Pricing | Scikit-learn, Flask, Pandas, NumPy, Matplotlib, Seaborn | [Link](#)

- Developed a **Machine Learning model** using Python to predict house prices based on the Boston Housing dataset.
- Built and deployed a **Flask web application** for real-time predictions with an interactive user interface.
- Implemented **data preprocessing**, **model training**, and **deployment pipeline** showcasing end-to-end project development.

Titanic Survival Prediction | Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn | [Link](#)

- Developed a Titanic survival prediction model using **data cleaning**, **feature engineering**, and **preprocessing** techniques.
- Implemented and optimised a **K-Nearest Neighbors (KNN)** classifier with GridSearchCV, improving accuracy through hyperparameter tuning.
- Evaluated and visualised performance with **accuracy score**, **confusion matrix**, and **heatmap**.

Student Performance Prediction | Scikit-learn, Pandas, NumPy, Matplotlib | [Link](#)

- Developed a Linear Regression model to predict student exam scores based on weekly study hours.
- Evaluated model accuracy using **MAE**, **MSE**, **RMSE**, and **R²** metrics, achieving reliable performance insights.
- Visualized data distribution and regression results through histograms and scatter plots with regression line.

Education

Bachelor of Computer Applications (BCA)

Institute of Technology and Science (ITS)

- Affiliated with **CCSU University**

July 2023 - Expected 2026

Higher Secondary Education (Class XII)

Swami Vivekanand Saraswati Vidhya Mandir

- Affiliated with **CBSE Board**
- Completed **Class XII with CGPA: 8.1/10**

April 2022 - March 2023

Certificates

- Deloitte Australia - **Data Analytics Job Simulation** | [Link](#)
- HackerRank - **MySQL** | [Link](#)

Activities

- Attend a 2-day workshop on **Artificial Intelligence** at **IIT Delhi**
- Attend a 7-day online micro course on **Power BI** at **Skill Course**