**Ayush**

Highly motivated and detail-oriented engineering student seeking a Internship to utilize

my skills in development and contribute to innovative projects. Excellent analytical and

problem-solving abilities with a passion for continuous learning.

****

****

**[chughayush15@gmail.com](mailto:soniyogesh0411@gmail.com) 7494979161**

# PROJECTS

## **House Price Prediction – Data Science and AI Project** 2025 • Developed a machine learning pipeline to predict house prices in Gurugram using Random Forest, XGBoost, and a Deep Neural Network. • Built a user-friendly web application allowing users to input property features and get real-time price predictions. • Engineered features, encoded location data, and evaluated models using RMSE and R² to ensure accuracy and robustness.

## Calm Oasis - A meditation course website

**2024**

* Developed a fully functional website focusing on **E-commerce.**
* Implemented **user friendly features** to enhance accessibility and user engagement.
* Applied robust programming practices to ensure scalability and security.

## Content Based Image Retrieval - Data Science and AI Project.

**2024**

* Developed a Content-Based Image Retrieval system using **VGG-16** for feature extraction and Euclidean distance to rank visually similar images.
* Processed and optimized a dataset of images to create a scalable retrieval pipeline, achieving efficient and accurate results.

## Solar Water Filter

**2024**

* The project was submitted for **patent consideration** by project mentor, showcasing its innovative and practical application
* Conceptualized and built the entire system, integrating solar panels to power multi-stage filtration, including sediment and carbon filters.
* Engineered an energy-efficient design to ensure continuous filtration with minimal operational costs, suitable for off-grid and rural areas.

# ACHIEVEMENTS

* Elected as **Sports Secretary in Student Council** of BML Munjal University.
* Officially appointed as the **Captain** of the University’s Cricket Team.
* Demonstrating leadership as **Treasurer** of the Social Media Club (SMC) by efficiently managing finances for events.
* Active member of the **Student Events and Engagement Team (SEET),** organizing and managing operations for all central events at the university.
* Active member of the **Student Alumni Relation Cell (SARC)**, where I successfully managed the largest Cricket event during the Sports Gala, single-handedly ensuring its success despite a high turnout.
* Designed and developed a **Solar Water Filtration System**, submitted for **patent** **consideration** under the guidance of the project mentor.

# CERTIFICATIONS

* **Winner of Fashion Crave** By Melange
* **RunnerUp, Cricket** By Shiv Nadar University
* **RunnerUp, Cricket** By North Cap University

# SKILLS

## Communication Skills

## Technical Languages:

## **Java, C++:** Intermediate proficiency .

## **Python:** Basic scripting.

## **HTML/CSS:** Basic web development skills.

## **SQL**

## **Java:** Android Application Development

## **Software:**

## Visual Studio Code

## Android Studio

## Figma

## Dev C++

## Sql Workbench

# EDUCATION

## BML MUNJAL UNIVERSITY

**Bachelor Of Technology in Computer Science Engineering**

**Aug 2023 ‑ Present | Gurugram, Haryana** School of Engineering And Technology

**Cum. GPA: 7.3 / 10.0**

# LEADERSHIP ROLES

* **Sports Secretary**, Student Council of University
* **Captain,** University’s Cricket Team
* **Treasurer,** Social Media Club
* **Fashion Lead,** Melange