

# Upasana Singh

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*Highly adaptable learner with a passion for technology and problem-solving.*

## EDUCATION

- **M.Sc. (IT)** September, 2022 - August, 2024  
*Lovely Professional University, Jalandhar* CGPA: 8.7/10
- **Bachelor of Technology (Electronics & Communication Engineering)** August, 2016 - July, 2020  
*Panjab University, Chandigarh* CGPA: 7.15/10

## PERSONAL PROJECTS

- **MyBnB** - *A website similar to AirBnB for booking and managing listings.*
  - Developed using **ExpressJS** for backend, **MongoDB** for database and **EJS, CSS & JavaScript** for frontend.
  - Supports user authentication and authorization as well as client and server-side validations.
  - Link: <https://github.com/upasanasingh14/mybnb>
- **ChatApp** - *A simple WhatsApp like web app for chatting.*
  - Demonstrated **CRUD** operations on the chat model.
  - Technology Used: EJS, ExpressJS, MongoDB, CSS, Bootstrap.
  - Link: <https://github.com/upasanasingh14/myChat>
- **Employee Management application** - *A simple web application for managing employees in a company.*
  - Designed and developed a simple website for tracking employees in a company.
  - Supported basic web authentication using username and password.
  - Technology Used: NodeJS, EJS, ExpressJS, MongoDB, CSS, Bootstrap.
  - Link: [https://github.com/upasanasingh14/employee\\_management](https://github.com/upasanasingh14/employee_management)

## EXPERIENCE

- **Software Engineer Trainee** July - Oct 2023  
*Company: Excellence Technologies* Mohali, SAS Nagar, IN
  - Designed and implemented 10+ RESTful APIs for the Cafe Management application, ensuring accurate error handling.
  - Was solely responsible for developing backend in the team of 3.
  - Skills: Advanced Java, Spring Boot Framework, JSP, Hibernate, MySQL.
- **Freelance coding tutor** September 2021 - December 2022  
*Company: Self* Mohali, SAS Nagar, IN
  - Taught Scratch programming to 30+ middle school students and Python programming to 20+ high school students, leading to 70% of them successfully completing a coding project.
  - Skills: Tutoring, Scratch, Thunkable.
- **Coding Instructor** April 2021 - September 2021  
*Company: Brightchamps Tech Pvt. Ltd.* Online
  - Regularly gave demo sessions to the prospective students.
  - Taught scratch programming language to middle and python programming language to high school students.

## TECHNICAL SKILLS AND INTERESTS

**Programming Languages:** C++, Javascript, Java, HTML & CSS.

**Tools:** Visual Studio Code, Git, Github, Bash, Basic Linux.

**Libraries and Frameworks:** ExpressJS, NodeJS, EJS, Bootstrap, Spring Boot

**Databases:** MongoDB & MySQL

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Java, C#, Computer Graphics.

**Soft Skills:** Problem Solving, Self-learning, Adaptability, Fast-pace learner, Management, Communication

**DSA:** Solved more than **150** questions on **LeetCode**.

## POSITIONS OF RESPONSIBILITY

- **Member:** Training & Placement Cell 2020
  - Contacted over 100+ companies via LinkedIn for college recruitment and managed to bring 5 companies successfully.
- **Sub-head:** Photography Club 2017-2020
  - Organized multiple events including exhibitions, workshops for the college photography club in Chandigarh.
  - Collaborated few events with the prestigious Punjab Kala Bhawan, Chandigarh.

## HOBBIES

- Sketching, Wildlife & Street Photography, Reading novels.