

# Muskan Gupta

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## Overview

Software Engineer with internship experience and a solid foundation in computer science fundamentals. Skilled in full-stack development, data structures, and building real-time applications. Proficient in JavaScript, Python, and modern frameworks. Solved 400+ LeetCode problems and recognized for strong analytics.

## Education

**Pranveer Singh Institute of Technology**, B.Tech in Computer Science

Aug 2021 – June 2025

GPA: 7.1 — Coursework: Data Structures & Algorithms, Web Technologies

## Experience

**Software Developer Intern – GlobalLogic**

Oct 2024 – May 2025

- Developed and optimized responsive web interfaces using React.js, improving user engagement and performance.
- Collaborated with cross-functional teams to design and implement UI components following design system guidelines.
- Implemented state management using React hooks and context for dynamic data handling across components.
- Used Postman for API testing and Git for version control, contributing to a clean and maintainable codebase.
- Conducted code reviews, fixed bugs, and resolved 50+ UI issues identified during QA and UAT phases.

## Projects

**Real Time Object Detection Model**

- Implemented a real-time object detection model using pre-trained architectures (YOLO, CocoSSD, MobileNet).
- Integrated webcam access to capture live video streams for dynamic object recognition.
- Utilized HTML and JavaScript to create an interactive user interface displaying detected objects in realtime.
- Achieved accurate classification of everyday objects, enhancing the model's effectiveness in varied lighting and environments.

**Real-Time Booking System for Everyday Necessities**

- Developed a comprehensive real-time booking system to facilitate the reservation of everyday necessities such as groceries, household services, and appointments. The platform allows users to search for services, check real-time availability, and make bookings seamlessly.

## Technologies

**Languages:** JavaScript, TypeScript, HTML5, CSS3, Python (DSA & Problem Solving)

**Frameworks & Libraries:** React.js, Redux, Context API

**Performance & Optimization:** Lazy Loading, Code Splitting, Lighthouse, Web Vitals

**DevOps & Tools:** Git, Jenkins, Docker, AWS (S3, Lambda, CloudFront), Jira

## Key Achievements

- Achieved Fifth rank in Hackathon 3.0 in the CSE Department with the strength of 1000+ participants
- Completed Programming using python on Infosys Springboard (2024) with a 94% score in the assessment
- Completed MERN Stack Project(s) within 60-day roadmap