

# Lokesh Suwalka

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## Education

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### • Sant Longowal Institute of Engineering and Technology

Punjab, India

July 2019 - June 2023

Bachelor of Engineering - Computer Science; GPA: 8.85

Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Databases, OOPs

## Skills Summary

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- **Languages:** C++, JavaScript, C, SQL , HTML, CSS
- **Frameworks and Libraries:** Express.js, React.js
- **Databases:** MongoDB, MySQL
- **Software:** Git, GitHub, MS Excel, MS Office, Canva, VS Code
- **Skills:** REST APIs, Authentication (JWT), API Testing (Postman)
- **Soft Skills:** Leadership, Event Management, Team Management, Writing, Problem Solving

## Projects

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### • Course Selling Website [GitHub](#)

- **Node.js & Express.js:** Developed backend with secure **JWT authentication** and role-based access control.
- **MongoDB:** Designed schemas and managed data with **Mongoose**.
- **RESTful APIs:** Created **APIs** for user management and course operations.
- **Security:** Implemented password hashing with **bcrypt** and secure token handling.
- **User & Admin Features:** Enabled user registration, login, course purchase, and admin course management.

### • To-Do App [GitHub](#)

- **Full-Stack Development:** Developed a full-stack To-Do application using Node.js and vanilla JavaScript.
- **API Design:** Created RESTful APIs with Express.js for CRUD operations on to-do items.
- **Data Persistence:** Managed data with JSON file handling for storage and retrieval.
- **Frontend Development:** Built a responsive UI with dynamic DOM manipulation using vanilla JavaScript.
- **Asynchronous Operations:** Implemented fetch API for seamless client-server communication.
- **User Interaction:** Enabled task management features such as adding, viewing, and deleting to-do items.

### • BMI CALCULATOR

- **Frontend Development:** Developed a BMI calculator with real-time validation and feedback using HTML, CSS, and JavaScript.
- **Bootstrap Integration:** Applied Bootstrap for responsive and visually appealing UI design.
- **Form Validation:** Implemented validation to handle user input errors and ensure accurate BMI calculation.
- **DOM Manipulation:** Utilized JavaScript for dynamic updates to the DOM, reflecting BMI results and health status.
- **User Interaction:** Provided instant feedback on BMI calculations and displayed health status categories.

### • Weather App [GitHub](#)

- Create a Weather App using **JavaScript, HTML, and CSS**.
- Utilize a weather API (such as OpenWeatherMap) to fetch real-time weather data.
- Display current weather conditions, including temperature, humidity, wind speed, etc.
- Allow users to forecasts by city name or location.
- Enhance the UI with CSS for a visually search for weather appealing design, possibly including weather icons and animations.

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## Achievements

- Solved more than **200+** questions on Leetcode related to data structure and algorithm in **C++**.
- Completed 60+ hours hybrid mode training workshop on Personality development

Github: <https://github.com/Lokeshsuwalka05>

Leetcode: [https://leetcode.com/u/LUCKY2002\\_05/](https://leetcode.com/u/LUCKY2002_05/)