

# Vaibhav Verma

Software Engineering Student | Aspiring SDE | Strong in DSA & Full-Stack Development

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## EDUCATION

Bachelor of Technology in Computer Science, <i>GLA University, Mathura</i>	June 2027
Diploma in Electrical Engineering , Government Polytechnic Ayodhya	Sep 2023
Intermediate, Diamond Inter College, Rampur Bhagan, Ayodhya	June 2020
High School, Diamond Inter College, Rampur Bhagan, Ayodhya	April 2018

## INTERNSHIP/ TRAINING EXPERIENCE

### **Job-Oriented Value-Added Course, GLA University, Mathura**

June 2025 – July 2025

Trainee

- Gained hands-on experience in HTML, CSS, and JavaScript fundamentals for web development.
- Understood concepts of DOM manipulation, event handling, responsive layouts, and form validation.
- Built a full-stack project titled “Smart Bus Booking System”.
- Collaborated with peers in requirement gathering, UI design, and testing phases.

## PROJECTS

**Portfolio (Projects, Skills & Resume):** <https://vaibhav-verma-portfolio.vercel.app>

### **Smart Bus Booking System**

(Nov 2025)

**Tech Stack:** React , JavaScript , HTML , CSS , Node.js , MongoDB

- Developed a full-stack bus ticket booking system using React and Node.js following MVC architecture.
- Designed and implemented RESTful APIs for seat booking, schedules, and user operations.
- Performed CRUD operations using MongoDB for managing users, bookings, and routes.
- Optimized database queries to improve response time and performance.
- Implemented form validation and ensured secure data handling.

**Live:** <https://www.thesmartbu.me>

**GitHub:** [https://github.com/vaibhavverma389/bus\\_bookings](https://github.com/vaibhavverma389/bus_bookings)

### **Secure Student Portal & Admin Analytics System**

(Jan 2026)

**Tech Stack:** Node.js, Express.js, MongoDB, Passport.js, EJS

- Built a secure role-based authentication system (Admin/Student) using Node.js and Passport.js.
- Implemented real-time user activity tracking with throttling for accurate last-active status.
- Developed a visitor analytics module capturing IP, device, location, and page usage for admins.
- Improved backend reliability by eliminating guest, auth, and static route noise from logs.

**Live:** <https://nptelassignments.vercel.app>

**GitHub:** <https://github.com/vaibhavverma389/nptel-assignment-help>

## SKILLS

**Core CS:** Data Structures & Algorithms, Object-Oriented Programming, DBMS, Problem Solving

**Programming:** Java, JavaScript, Python

**Web:** HTML, CSS, React, Node.js, Express.js, REST APIs

**Backend Concepts:** Authentication, Authorization, Session Management, REST APIs

**Database:** MongoDB, SQL (Basic)

**Tools:** Git, GitHub, VS Code

**Other:** R, MATLAB

## PROFESSIONAL ACHIEVEMENTS/ INSIGHTS

- Solved 200+ problems on LeetCode, improving algorithmic thinking and coding efficiency.
- Developed and deployed personal projects on GitHub with clean, documented code.
- Completed Job-Oriented Value-Added Course in Web Development at GLA University.

## CO-CURRICULAR ACTIVITIES

- Active LeetCode participant regularly practices data structures and algorithms.
- Participated in “Behind the Code” online webinar organized by GDG, featuring industry insights from Anshaj Sharma (SDE II, Amazon).
- Attended coding workshops organized by GLA University.