



**VIT<sup>®</sup>**  
**Vellore Institute of Technology**  
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CHENNAI

# **WEB PROGRAMMING LAB**

**BCSE203E**

**SLOT: L11 + L12 + L19 + L20**

## **LAB MANUAL**

**Project & Exercise Tasks Links**

<https://23bai1214-divyanshu-web-v0.netlify.app/>

**Date: 31-03-2025**

**SUBMITTED TO:**

**PROF. DR. ASHOKA RAJAN R**

**SUBMITTED BY:**

**DIVYANSHU PATEL**

**23BAI1214**

**School of Computer Science and Engineering**

**Vellore Institute of Technology, Chennai**

**Chennai 600127, Tamil Nadu**

# My Portfolio and Project Links

## PORTFOLIO LINKS:

- Web Programming Exercise Portfolio:

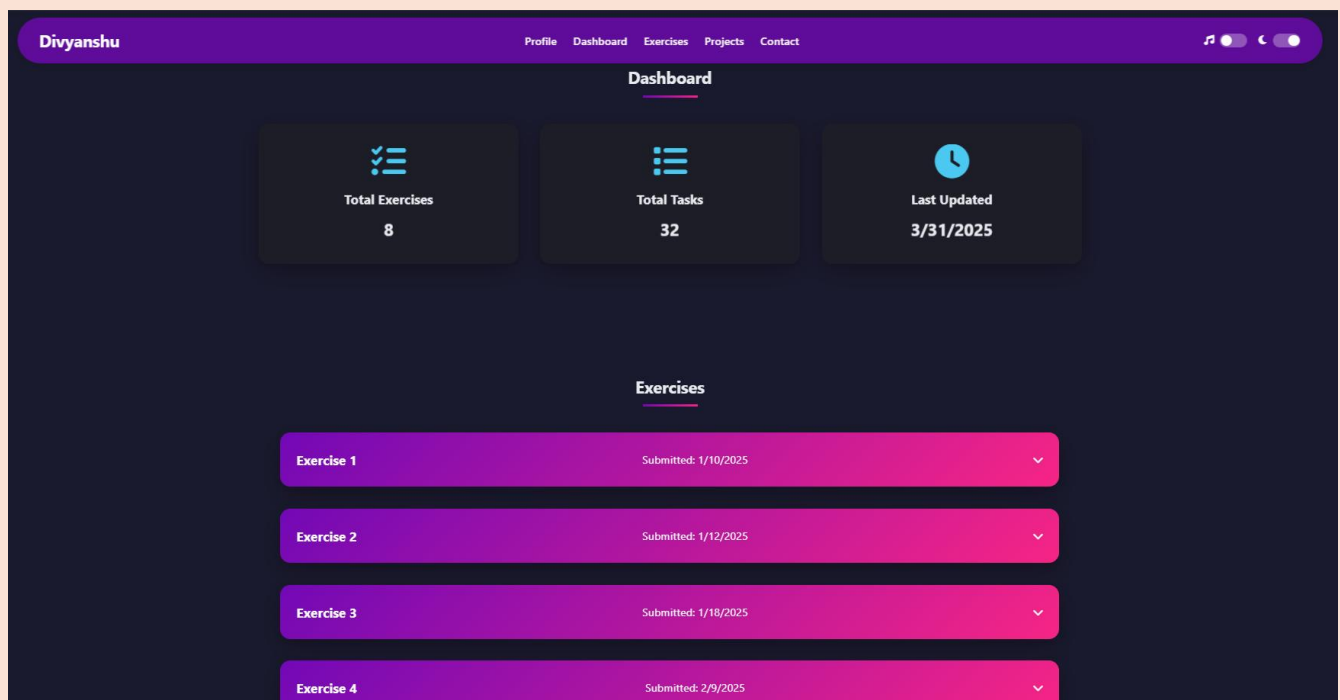
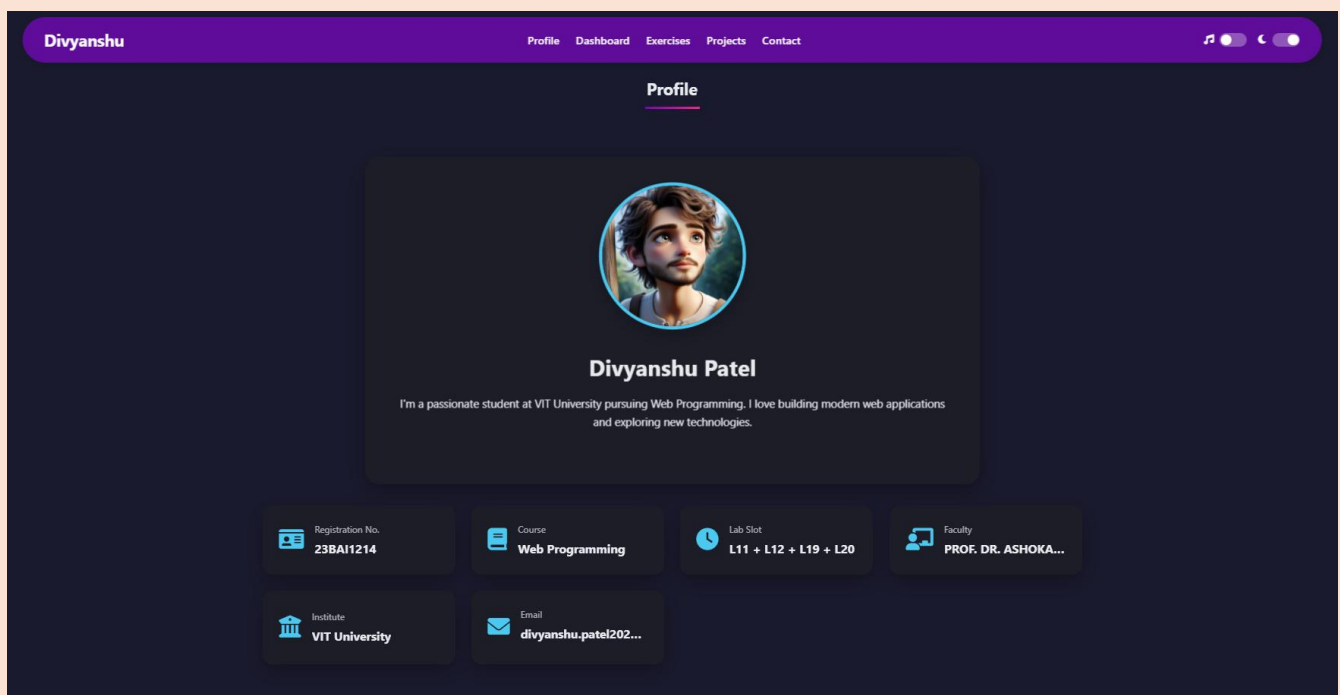
<https://23bai1214-divyanshu-web-v0.netlify.app/>

- Personal Portfolio:

<https://divyanshupatel17.github.io/divyanshu-portfolio/>

## GITHUB REPOSITORY:

- Main Repository: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB)



Divyanshu

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Exercises

Exercise 1

Submitted: 1/10/2025

⬆

View Exercise Report

Task No.	Title	Demo	Code
1	LEAVE LETTER	<a href="#">View Demo</a>	<a href="#">View Code</a>
2	TABLE LAYOUT	<a href="#">View Demo</a>	<a href="#">View Code</a>
3	CHESS BOARD	<a href="#">View Demo</a>	<a href="#">View Code</a>

Exercise 2

Submitted: 1/12/2025

⬇

Exercise 3

Submitted: 1/18/2025

⬇

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Projects



JavaScript

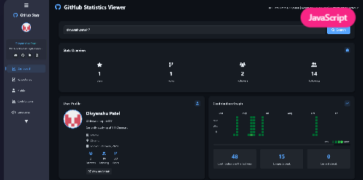
**Weather Dashboard**

A comprehensive weather application featuring a sleek, dark-themed UI built from scratch. The dashboard displays current weather conditions with temperature, humidity, and pressure readings, an interactive 7-day forecast with detailed high/low temperatures, hourly forecast visualization for the current day, and an air conditions panel showing real feel, wind speed, chance of rain, and UV index. The application employs responsive design principles ensuring optimal viewing on all devices.

[HTML5](#) [CSS3](#) [JavaScript \(ES6+\)](#) [OpenWeatherMap API](#)

[WeatherAPI.com](#)

[View Live](#) [View Code](#)



JavaScript

**GitHub Statistics Viewer**

A feature-rich GitHub analytics tool that provides comprehensive user statistics with an elegant dark-themed interface. The application enables users to view detailed GitHub metrics including repository count, followers, following, and language distribution visualized through interactive charts. Users can explore commit activity on popular repositories, total stars received, and contribution patterns. A standout feature is the ability to compare up to 3 different GitHub profiles side-by-side.

[HTML5](#) [CSS3](#) [JavaScript \(ES6+\)](#) [GitHub REST API](#) [Chart.js](#)

[View Live](#) [View Code](#)

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Contact Me



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## EXERCISE LINKS:

### Exercise 01 (HTML Basics & Layouts):

- Task 01 - Leave Letter Application: <https://23bai1214-divyanshu-exercise-1-t-1.netlify.app/>
- Task 02 - Table Layout Implementation: <https://23bai1214-divyanshu-exercise-1-t-2.netlify.app/>
- Task 03 - Interactive Chessboard: <https://23bai1214-divyanshu-exercise-1-t-3.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-01/23BAI1214\\_Exercise\\_01\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-01/23BAI1214_Exercise_01_pdf.pdf)

### Exercise 02 (Advanced Styling & Forms):

- Task 01 - The Coffee Shop Website: <https://23bai1214-divyanshu-exercise-2-t-1.netlify.app/>
- Task 02 - CSS Animations Showcase: <https://23bai1214-divyanshu-exercise-2-t-2.netlify.app/>
- Task 03 - Job Registration Portal: <https://23bai1214-divyanshu-exercise-2-t-3.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-02/23BAI1214\\_Exercise\\_02\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-02/23BAI1214_Exercise_02_pdf.pdf)

### Exercise 03 (Advanced CSS Layouts):

- Task 01 - Stacked Panel Layout: <https://23bai1214-divyanshu-exercise-3-t-1.netlify.app/>
- Task 02 - Side-by-Side Panels: <https://23bai1214-divyanshu-exercise-3-t-2.netlify.app/>
- Task 03 - Modern Login Interface: <https://23bai1214-divyanshu-exercise-3-t-3.netlify.app/>
- Task 04 - Horizontal Navigation: <https://23bai1214-divyanshu-exercise-3-t-4.netlify.app/>
- Task 05 - Vertical Navigation: <https://23bai1214-divyanshu-exercise-3-t-5.netlify.app/>
- Task 06 - Product Information Display: <https://23bai1214-divyanshu-exercise-3-t-6.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-03/23BAI1214\\_Exercise\\_03\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-03/23BAI1214_Exercise_03_pdf.pdf)

### Exercise 04 (Advanced Animations):

- Task 01 - W3Schools Animated Box: <https://23bai1214-divyanshu-exercise-4-t-1.netlify.app/>
- Task 02 - Square Path Animation: <https://23bai1214-divyanshu-exercise-4-t-2.netlify.app/>
- Task 03 - Dynamic Star Animation: <https://23bai1214-divyanshu-exercise-4-t-3.netlify.app/>
- Task 04 - Responsive Web Design: <https://23bai1214-divyanshu-exercise-4-t-4.netlify.app/>

- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-04/23BAI1214\\_Exercise\\_04\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-04/23BAI1214_Exercise_04_pdf.pdf)

#### Exercise 05 (JavaScript Applications):

- Task 01 - Interactive Traffic Light: <https://23bai1214-divyanshu-exercise-5-t-1.netlify.app/>
- Task 02 - Random Quote Generator: <https://23bai1214-divyanshu-exercise-5-t-2.netlify.app/>
- Task 03 - To-Do List Application: <https://23bai1214-divyanshu-exercise-5-t-3.netlify.app/>
- Task 04 - Interactive Shape Drawing: <https://23bai1214-divyanshu-exercise-5-t-4.netlify.app/>
- Task 05 - Number Guessing Game: <https://23bai1214-divyanshu-exercise-5-t-5.netlify.app/>
- Task 06 - Emoji Generator: <https://23bai1214-divyanshu-exercise-5-t-6.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-05/23BAI1214\\_Exercise\\_05\\_word.docx](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-05/23BAI1214_Exercise_05_word.docx)

#### Exercise 06 (Advanced JavaScript):

- Task 01 - Weather Dashboard: <https://23bai1214-divyanshu-exercise-6-t-1.netlify.app/>
- Task 02 - Image Gallery: <https://23bai1214-divyanshu-exercise-6-t-2.netlify.app/>
- Task 03 - Form Validation: <https://23bai1214-divyanshu-exercise-6-t-3.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-06/23BAI1214\\_Exercise\\_06\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-06/23BAI1214_Exercise_06_pdf.pdf)

#### Exercise 07 (Frameworks & Libraries):

- Task 01 - React Card Component: <https://23bai1214-divyanshu-exercise-7-t-1.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-07/23BAI1214\\_Exercise\\_07\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-07/23BAI1214_Exercise_07_pdf.pdf)

#### Exercise 08 (Responsive Design & PWA):

- Task 01 - React Data Table: <https://23bai1214-divyanshu-exercise-8-t-1.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-08/23BAI1214\\_Exercise\\_08\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-08/23BAI1214_Exercise_08_pdf.pdf)

### Exercise 09 (Profile card):

- Task 01 - React Data Table: <https://23bai1214-divyanshu-exercise-9-t-1.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-09/23BAI1214\\_Exercise\\_09\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-09/23BAI1214_Exercise_09_pdf.pdf)

### Exercise 10 (Movie Cards):

- Task 01 - React Data Table: <https://23bai1214-divyanshu-exercise-10-t-1.netlify.app/>
- Documentation: [https://github.com/divyanshupatel17/23BAI1214\\_WEB\\_LAB/blob/main/Exercise-10/23BAI1214\\_Exercise\\_10\\_pdf.pdf](https://github.com/divyanshupatel17/23BAI1214_WEB_LAB/blob/main/Exercise-10/23BAI1214_Exercise_10_pdf.pdf)

## PROJECT LINKS:

### JavaScript Projects:

- Weather Dashboard: <https://weather-dashboard-divyanshu.netlify.app>
- GitHub Statistics Viewer: <https://github-stats-viewer-divyanshu.netlify.app>
- NEUMORPHISM UI Generator: <https://make-your-own-neumorphism-divyanshu.netlify.app/>
- VIT Timeline: <https://vit-timeline-divyanshu.netlify.app>

### React Projects:

- E-Shop: <https://e-shop-divyanshu.netlify.app>
- Quiz App: <https://quiz-app-divyanshu.netlify.app>

## PROJECT SNAPSHOTS:

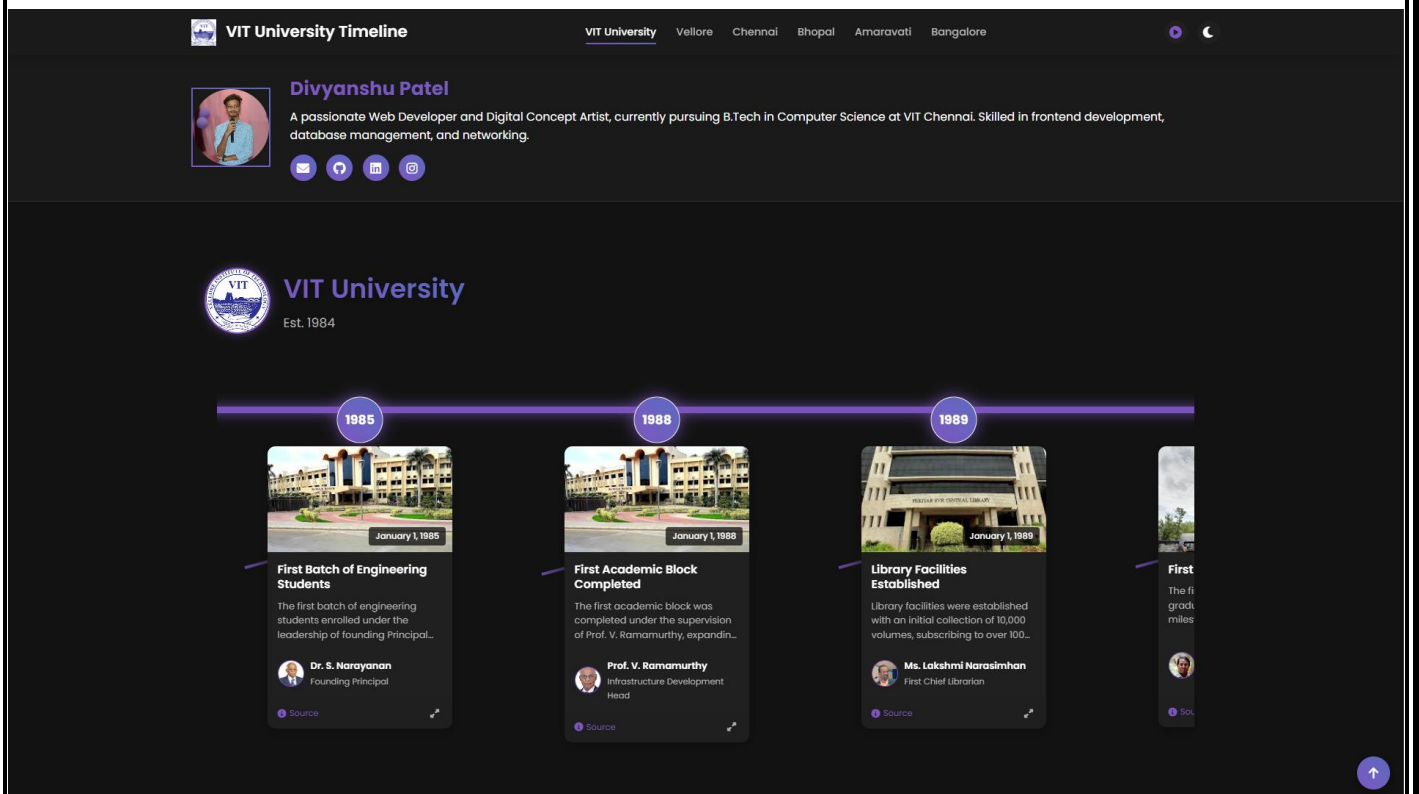
### Weather Dashboard:

<https://weather-dashboard-divyanshu.netlify.app>



## VIT Timeline:

<https://vit-timeline-divyanshu.netlify.app>



## Quiz App:

<https://quiz-app-divyanshu.netlify.app>

Quiz Master

By Divyanshu Patel

Quiz Master

Test your knowledge with our interactive quiz!

Select Category:

-- Select a Category --

Select Difficulty:


-- Select Difficulty --

Number of Questions (1-5):

5

Start Quiz

Developer Details



Name: Divyanshu Patel

E-Shop:

<https://e-shop-divyanshu.netlify.app>

E-Shop

HomeProductsAboutCart (0)

Welcome to E-Shop

Discover amazing products at unbeatable prices.

Browse Products

Electronics

Shop the latest gadgets and technology.

View Electronics -->

Clothing

Discover trendy and comfortable clothing.

View Clothing -->

Accessories

Complete your look with our accessories.

View Accessories -->

© 2025 E-Shop. All rights reserved.


Developed by Divyanshu Patel

NEUMORPHISM UI Generator:

<https://make-your-own-neumorphism-divyanshu.netlify.app/>



Preview



```
.neumorphism-box {
border-radius: 46px;
background: #e0e0e0;
box-shadow: 20px 20px 40px rgb(190, 190, 190), -20px -20px 40px rgb(229, 229, 229);
}
```

Copy CSS

Neumorphism Controls

Pick a color:

#e0e0e0

Size:  200px

Radius:  46px

Distance:  20px

Intensity:  0.15

Shape: 

Flat

Concave

Convex

Pressed

Developer Details

Divyanshu Patel

A passionate Web Developer and Digital Concept Artist, currently pursuing B.Tech in Computer Science at VIT Chennai. Skilled in frontend development, database management, and networking.

Email: divyanshu.patel2023@vitstudent.ac.in

GitHub: github.com/divyanshupatel17


LinkedIn: linkedin.com/in/patel-divyanshu

Instagram: @patel\_divyanshu\_

## GitHub Statistics Viewer:

<https://github-stats-viewer-divyanshu.netlify.app>

GitHub Stats



Divyanshu Patel

Web Developer & Digital Conce...

Dashboard

Repositories

Profile

Contributions

Languages

GitHub Statistics Viewer

API Rate Limit: 4995/5000 | Resets at 11:59:00 AM | Authentication Active ✓

divyanshupatel17

Search

Stats Overview


1 Stars

1 Forks

2 Followers

14 Following

User Profile



Divyanshu Patel

@divyanshupatel17

Currently studying at VIT Chennai .

school

Chennai

Joined October 6, 2023

2 Followers

14 Following

20 Repos

View on GitHub

Contribution Graph

Mar

May

Jul

Aug

Oct

Dec

Mon

Wed

Fri

Less

More

48 Contributions in the last year

15 Longest streak

0 Current streak