Dhruvrajsinh Vaghela

LinkedIN GitHub

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Highly motivated computer science student at VIT Bhopal University with a keen interest in web development. Looking for an internship to gain practical experience and exploring cutting-edge technologies. Excellent analytical and problem solving abilities, with a passion for continuous learning.

EDUCATION

K.D. Ambani Reliance Foundation School **2020**
10th Grade
Percentage: 90.6%

K.D. Ambani Reliance Foundation School **2022**
12th Grade
Percentage: 72.2%

VIT BHOPAL UNIVERSITY **2022-2026**
CGPA: 8.52

PROJECTS

To-Do App

- Developed a dynamic To-Do application using React.js, enabling users to efficiently manage tasks with an intuitive interface.
- Implemented state management using React Hooks to handle task creation, deletion, and completion seamlessly.
- Designed a responsive UI with HTML, CSS, and Tailwind CSS, ensuring a visually appealing and user-friendly experience.
- Enhanced user experience with local storage support, preserving tasks across sessions.
- Focused on clean, modular code and performance optimizations for a smooth and efficient application.

Simple Bank - Banking System

- Designed and implemented a secure banking system using Go (Gin framework) with PostgreSQL as the database.
- Developed RESTful APIs for account management, transactions, and user authentication with JWT.
- Integrated GORM for ORM functionality and database migrations for schema versioning.
- Ensured high test coverage using unit and integration tests with GoMock and test containers.
- Implemented CI/CD pipeline using GitHub Actions and Docker for automated testing and deployment.
- Optimized database queries and application performance to handle high-concurrency operations.

TECHNICAL SKILLS

Languages: Java, HTML, CSS, JavaScript, Go, Python, MySQL
Frameworks: React, Node.js, Express.js, Gin
Others: Problem solving, Adaptability, Teamwork

EXPERIENCE

JIO Platforms | *2-months Internship*

- Internship in Application of Video Analytics for Object Detection.
- Made a project on **Seat Occupancy Detection System** using YOLOv5 to monitor and track the usage of chairs in a Shared Office Setup.
- Processes video frames to detect "person" and "chair" objects, using bounding boxes to determine occupancy by checking overlaps between detected chairs and people.
- Each chair is uniquely identified and tracked, with its occupancy status displayed in real-time on the video.
- The system calculates the duration each chair is occupied, updating the total usage time whenever a person leaves the chair.

CERTIFICATES

The Bits and Bytes of Computer Networking- Google
Cloud Computing- NPTEL