


# DINESH DHAKSHINAMOORTHY

 (+91) 9629639535

 [dinesh7rd@gmail.com](mailto:dinesh7rd@gmail.com)

 [LinkedIn](#)

 [Portfolio](#)

 [Github](#)

 [Twitter](#)

VIT Chennai,  
Tamil Nadu-632014

## EDUCATION

- Vellore Institute of Technology Chennai, TN  
B.Tech. in Computer Science and Engineering ([completed](#)) MAY 2023  
CGPA 8.06 ([Transcript](#))
- Paavai Vidhyashram School Namakkal, TN  
Class-12, Central Board of Secondary Education (CBSE) MAY 2018  
GPA 8.46  
Class-10, Central Board of Secondary Education (CBSE) MAY 2016  
GPA 9.6

## RELEVANT COURSEWORK

Data structure and algorithm	Java Programming
Information Security Analysis and Audit	Object Oriented Programming
Data Visualization	Database Management Systems

## PROJECTS

### Quiz web application | [Quiz App](#)

- Developed a Full-stack Next.js project, integrating Tailwind CSS and JavaScript for a modern quiz application
- Achieved an intuitive and responsive design, interactive JavaScript elements for enhanced user experience.
- API Routes in Next.js were utilized for server-side functionality, Deployed seamlessly on Vercel.

### Paytm web application | [Repository](#)

- Built a PayTM clone using MERN stack, showcasing expertise in MongoDB, Express.js, React, and Node.js.
- Implemented secure money transactions in MongoDB.
- Designed an intuitive interface using TailwindCSS for enhanced user experience.

### Optimising Traffic Flow with Object Detection and Traffic Signal Control | [Repository](#)

- Utilized YOLO version 8 for vehicle detection and classification, enabling accurate vehicle count in images.
- Employed traffic density data to calculate optimal green time for each lane.
- Implemented an Arduino Uno setup for four-way intersection traffic light display.
- Conducted simulations using PTV Vissim to analyze the results.

## ACHIEVEMENT

Successfully completed the Hacktoberfest 2020 & 2022 with five pull requests.

Participated in numerous coding contests and solved a wide range of problems hosted in Competitive Coding platforms like Codechef, HackerRank, and Leetcode.

**AWS Cloud Practitioner Essentials** [Certificate](#).

## SKILLS

- Programming: C++, SQL, JavaScript, HTML, CSS, Python, Typescript.
- Tools: Figma, Tableau, Arduino.
- Libraries: STL, Pyfirmata, React JS, Next JS, Node.js (Express.js, mongoose)
- System: Windows, Ubuntu (Linux).
- Platforms: Git, GitHub, AWS, GCP.
- Databases: MongoDB, PostgreSQL.
- Interests: Swimming, Basketball, Novels, Anime.