

Vinayakan V S

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Education

Amrita School of Computing

B.Tech in Computer Science and Engineering | Tamil Nadu

Expected graduation: Jun. 2025

GPA: 7.86/10

Nirmala Matha Central School

CBSE | Kerala

2019 - 2021

Perc: 92.4/100

Areas of Interest

1. Full Stack Development
2. Machine Learning

Projects

ChatterSphere



Deployed Link



GitHub

Aug. 2023

A Real-time Chatting web app

React, Express, MongoDB, Nodejs, Socket.io, Git

- Developed a real-time chat application using MERN stack, featuring user profiles, single/group chats, custom profile image uploads, and WebSocket integration for instantaneous messaging.
- Implemented JWT security for user authentication and ensured robust performance, leading to over 500 positive user reviews and feedback within the first 3 months.

GRE Score Analyzer Tool



GitHub

Jan. 2023

GRE Score-Based Ivy League College Recommender

HTML, CSS, JS, jQuery, PHP, MySQL, XAMPP

- Developed a web application to analyze user-inputted GRE scores, recommending Ivy League colleges based on 5-year admission cutoff trends and offering separate interfaces for clients and admins.
- Managed a comprehensive database system, handling all CRUD operations to ensure data integrity and facilitate dynamic updates of college cutoffs and user metrics.

CheckMate Academy



GitHub

Mar. 2023

A chess game built with Stockfish

Python, Pygames, Stockfish

- Integrated the powerful Stockfish Chess Engine, demonstrating sophisticated programming skills and strategic AI implementation for player vs AI and AI vs AI modes, enhancing the overall gaming intelligence and challenge.
- Implemented features like hint provision for the next move, diverse chess modes (including two-move mods), and real-time evaluation of the current game state, showcasing a commitment to user experience and strategic decision-making support.

Railway Reservation System



GitHub

Dec. 2023

OOP-based Java Railway Booking System

Java

- Designed a Java Railway Reservation System using OOP principles with distinct user/admin roles, ticket booking, and train scheduling.
- Employed ArrayLists and HashMaps for data management and ensured secure user authentication.

Experience

Einsicht Technologies

Nov. 2022 - Dec. 2022

Web Developer Intern

HTML, CSS, Javascript, JQuery, Figma, PHP

- Collaborated with two other interns to create a culturally tailored, responsive login/signup interface.
- Utilized HTML, CSS, JavaScript, and jQuery to implement responsive and user-friendly authentication interfaces, enhancing user experience and security.
- Gained exposure to Figma for design mockups and incorporated HTML code within PHP scripts, broadening my understanding of web development frameworks.

Skills

Programming & Databases:

Python, Javascript, C++, Java, C#, MySQL, MongoDB

Web Development & Tools:

HTML, CSS, jQuery, Bootstrap, React, Express, Node.js, PHP, Git, GitHub, Figma, UNITY