ADVAITH VINEESAN

Kochi, Ernakulam

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Education

Jain Deemed-to-be University — **Sep. 2024 – April 2026(Expected)**
Master of Computer Applications (AI & ML) — *Kochi, Kerala*

Goverment Brennen College — **August. 2021 – April 2024**
Bachelor of Science in Mathematics — *Thalassery, Kerala*

Technical Skills

Languages: Java, JavaScript, HTML/CSS, SQL, Python
Technologies/Frameworks: ReactJS, Spring Boot, PostgreSQL, TailwindCSS
Developer Tools: VS Code, IntelliJ Idea, Git, Github, Postman API, pgAdmin

Projects

Task Manager with Productivity Tracker | *ReactJS, Spring Boot, PostgreSQL*   **Frontend Repo — Backend Repo**

- Developed a full-stack task management application with a React frontend and a Spring Boot backend, enabling users to efficiently track and manage tasks.
- Implemented authentication using Spring Security, JWT and email verification to ensure secure user access.
- Designed RESTful APIs for task creation, completion tracking, and analytics, ensuring smooth communication between the frontend and backend.
- Integrated PostgreSQL for reliable task storage and retrieval, optimizing queries for performance and scalability.
- Developed an analytics dashboard providing task completion insights, including on-time and late completions, using dynamic data visualization.
- Styled the application using MUI components to ensure a modern, and accessible user interface.

Real-Time Multiplayer Guessing Game | *ReactJS, TailwindCSS, Spring Boot, WebSockets*   **GitHub Repository**

- Developed a real-time multiplayer guessing game where players compete to identify the correct answer first, using WebSockets for seamless live interactions.
- Built an interactive ReactJS frontend with a responsive UI, styled using TailwindCSS for a clean and modern design.
- Implemented a Spring Boot backend to manage game logic, player sessions, and WebSocket communication for real-time updates.
- Handled concurrent player interactions and ensured consistent game state synchronization between the server and clients.

Full-Stack E-Commerce Website | *ReactJS, Spring Boot, PostgreSQL*   **GitHub Repository**

- Developed a dynamic, user-friendly e-commerce platform with a modern React frontend and a Spring Boot backend, utilizing PostgreSQL for database management.
- Implemented features such as user registration/login, product catalog, shopping cart, and order management, ensuring smooth user interactions and data persistence.
- Used RESTful APIs to facilitate seamless communication between the frontend and backend, enabling real-time data retrieval and updates.
- Designed and developed the database schema to efficiently store and retrieve product, user, order, and payment data, optimizing for performance and scalability.

Spring Boot Quiz Application API | *Spring Boot, PostgreSQL*   **GitHub Repository**

- Developed a RESTful API for a quiz application using Spring Boot and PostgreSQL, supporting CRUD operations for quizzes, questions, and user responses.
- Built structured REST endpoints for efficient data management and retrieval, optimizing database relationships for seamless performance.
- Implemented secure and scalable data storage for quizzes and user interactions, ensuring reliability and consistency.

Relevant Coursework

- Data Structures
- Computer Networks
- Linear Algebra
- Computer Architecture
- Operating Systems
- Algorithms
- Statistics