

# ADVAITH VINEESAN

Kochi, Ernakulam

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## Objective

MCA student specializing in AI ML with strong skills in full-stack development using Spring Boot, ReactJS, and PostgreSQL. Experienced in building secure, scalable web apps with real-time features and clean UI.

## Education

**Jain Deemed-to-be University Kochi**

**2024 - 2026**

*Master of Computer Applications (AI & ML)*

*Kochi, Kerala*

**Government Brennen College Thalassery**

**2021 - 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.

**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.

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

**GitHub Repository**

- Built a real-time multiplayer guessing game using WebSockets for seamless, low-latency interactions.
- Designed intuitive and responsive UI with ReactJS and TailwindCSS to enhance gameplay experience.
- Implemented Spring Boot backend to manage game state, player sessions, and message broadcasting.
- Handled concurrent player interactions and ensured synchronization across all connected clients.

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

**GitHub Repository**

- Designed and developed a RESTful API for managing quizzes, questions, and user responses using Spring Boot.
- Structured relational models and endpoints for efficient data handling with PostgreSQL.
- Ensured secure, scalable access to quiz data and optimized performance for concurrent users.

## Relevant Coursework

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|--------------------|---------------------|------------------|--------------|
| • Data Structures  | • Operating Systems | • OOP            | • Statistics |
| • Machine Learning | • Computer Networks | • Linear Algebra |              |