CHANDIMA MADUWANTHA

COMPUTER SCIENCE UNDERGRADUATE

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ABOUT ME

Passionate Software Engineering student with expertise in full-stack development and AI. Proficient in multiple programming languages and frameworks, with a strong ability to collaborate in team environments and deliver high-quality projects within deadlines.

EDUCATION

- **BSc(Hons) In Computer Science**   **2022 - Present**
    - University of Kelaniya, Sri Lanka.
    - Specialize Artificial Intelligence (Current GPA 3.83)
- **GCE A/L Examination - Physical Science Stream**   **2020**
    - Combined Maths - A, Chemistry - A, Physics - C

SKILLS

- **Technical Skills:**
    - **Programming Languages:**
        Java | JavaScript | TypeScript | Python | C# | HTML | CSS | Node.js
    - **Databases:**
        MySQL | PostgreSQL | MongoDB | SQLite | FAISS
    - **Frameworks & Libraries:**
        React.js | Next.js | Tailwind CSS | Express.js | Spring Boot | Django | .NET | ReactNative
    - **Tools & Services:**
        Azure | Firebase | Kafka | Docker | Grafana | Keycloak | Git | GitHub Actions | LangChain
- **Soft Skills:**
    Team Collaboration | Problem Solving | Time Management | Adaptability | Communication | Critical thinking

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EXTRA CURRICULAR ACTIVITIES

- **Statistic & Mathematics Tutor**   **2024 - Present**
    Faculty of Computing & Technology, University of Kelaniya.

- **Executive Committee Board Member**   **2023 - 2024**
    Computer Science Students Association, Faculty of Computing & Technology, University of Kelaniya.

- **Logistic Coordinator**   **2022 - 2023**
    Leo Club, University of Kelaniya.

PROJECTS

- **E-Commerce platform**   **Github**
  - Developed a microservices-based e-commerce platform using Spring Boot and React.js.
  - Implemented Keycloak OAuth2 for secure authentication.
  - Used Kafka-based event-driven architecture for asynchronous communication.
  - Integrated Resilience4J Circuit Breaker for fault tolerance.
  - Added observability with Grafana Stack.
  - **Tech Stack:** Spring Boot | React.js | Keycloak | Kafka | Grafana | MySQL | MongoDB | Docker

- **AI-Powered Career Path Recommendation System**   **Github**
  - Developed an AI-powered career guidance system with a React frontend and a Django backend.
  - Trained a machine learning model using Scikit-learn for career predictions.
  - Implemented NLP-based sentiment analysis with the NLTK library.
  - Integrated Google Gemini API for embeddings.
  - Built an AI chatbot and voice assistant using LangChain and FAISS.
  - React Speech Recognition library is used to recognize the voices.
  - **Tech Stack:** React.js | Django | Tailwind CSS | Three.js | Python | Scikit-learn | FAISS | SQLite | NLTK

- **Real Estate Marketplace**   **Github**   **website**
  - Built a full-stack web application using the MERN stack.
  - Implemented Firebase authentication for secure user logins.
  - Enabled CRUD operations for managing property listings.
  - Used Firebase Storage for profile image uploads.
  - Managed state efficiently with Redux Toolkit.
  - **Tech Stack:** MongoDB | Express.js | React.js | Node.js | Firebase | Redux Toolkit

- **Pet Store Project**   **Github**
  - Built a full-stack CRUD application using React and ASP.NET Core WebAPI.
  - Integrated Entity Framework Core with SQL Server for database operations.
  - Created a responsive UI using Material-UI (MUI) and SASS.
  - Enhanced user experience with Moment.js for date handling and SweetAlert2 for alerts.
  - **Tech Stack:** React.js | ASP.NET Core | SQL Server | Entity Framework Core

- **Faculty Management System**   **Github**
  - Developed a Windows Form application in C# to streamline faculty-related operations.
  - Implemented secure user authentication for admin access.
  - Built faculty management features to add, update, delete, and search faculty data.
  - Integrated SQL Server for efficient data storage and retrieval.
  - **Tech Stack:** C# | .NET Framework | Windows Forms | SQL Server

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CERTIFICATIONS

- Java Spring Boot with Microservices architecture | **Udemy** | Credential ID: UC-cac964eb-b30c-4c99-b802-3fd9f489c44f

- Supervised Machine Learning | **Coursera** | Credential ID: V4JUF4CY3SFA

- Introduction to Generative AI | **Google Cloud Training Online** | Credential ID: e2e4dec1-5366-44be-8b40-8064380ea965