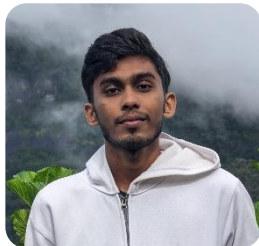# K M Chamoda Pramudika

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ABOUT ME

Computer Science and Engineering undergraduate at University of Moratuwa with passion for innovative tech solutions. Specializes in full-stack web development, system design, and emerging technologies. Experienced in building user-friendly interfaces and optimizing backend systems with focus on collaborative problem-solving and continuous learning. Dedicated to leveraging cutting-edge technologies to create impactful, real-world applications

EDUCATION

University of Moratuwa   2023 - Present

BSc (Hons) Computer Science Engineering - Mainstream
Current CGPA – 3.57

Sri Devananda College - Ambalangoda   2013 – 2021

G.C.E. Advanced Level -2021/22
Stream - Physical Science

G.C.E. Ordinary Level -2018

PROFESSIONAL EXPERIENCE

Graphic Designer | *IET on Campus University of Moratuwa*   Jun 2024 - Present

Create promotional materials, event banners, and social media graphics while also serving as Design Co-Chair for some events.

PROJECTS & EXTRACURRICULAR

MyCampusHome – One-Stop Student Housing Platform   Dec 2024
- *Developed web platform for student accommodation searches near Sri Lankan universities*
- *Implemented JWT and Google OAuth authentication*
- *Built responsive UI with React.js & Tailwind CSS*
- *Created RESTful API using Node.js, Express.js, and MongoDB*
- *Integrated Cloudinary for image storage and managed team of four*

Supply Chain Management System   Aug 2024 - Nov 2024
- *Designed SCM system for tea distribution logistics across Sri Lanka*
- *Built backend with Node.js, Express.js, and MySQL*
- *Created React.js dashboards for multiple user roles with JWT authentication*
- *Implemented real-time analytics for order tracking and efficiency monitoring*

VibeSync - Music Genre & Mood Classifier   Ongoing
- *Building music streaming app with AI-powered genre and mood classification*
- *Implementing CNN with TensorFlow for music analysis*
- *Developing personalized playlist generation and music library management*

CERTIFICATIONS

GitHub Education   **Apr 2025**
- *GitHub Foundations - Version control and collaboration using Git and GitHub*

KodeKloud   **Apr 2025**
- *Amazon Elastic Container Service (AWS ECS)*
- *Docker Training Course for the Absolute Beginner*

Kaggle Learn   **Jul 2025**
- *Intro to Machine Learning*
- *Intermediate Machine Learning*
- *Intro to Deep Learning*
- *Computer Vision*

SKILLS

Programming languages: JavaScript, Python, Java, C++, SQL, VHDL, Dart

Web Development: React.js, Next.js, Node.js, Express.js, FastAPI, HTML5, CSS3, Tailwind CSS, Bootstrap, Redux, Google OAuth

Database: MongoDB, MySQL

Cloud & DevOps: Docker, Git, GitHub

Mobile: Flutter, Firebase (Learning)

AI/ML: TensorFlow, Scikit-learn, CNN *(Learning)*

LANGUAGES

- English: Limited Working Proficiency
- Sinhala: Native

CORE COMPETENCIES

Full-Stack Development • System Design • Team Leadership • Problem Solving • UI/UX Design

REFEREES

Prof. Meedeniya D.A.
S5 Coordinator
Department of Computer Science and Engineering
University of Moratuwa
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