LATHEESHAN THIRUCHANDURAN

Software Engineer Intern

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Profile

I am a confident and adaptable undergraduate with strong leadership skills and a passion for software engineering and machine learning. A quick learner committed to delivering work with precision and completeness. I seek an internship to apply my technical expertise and contribute effectively to innovative projects. My goal is to grow professionally in a dynamic and challenging environment.

Education

University of Moratuwa

2023 - 2027

Bachelor of Science (Hons) in Information Technology and Management

• CGPA: 3.39/4.0

• Relevant Coursework: Software Engineering, Object-Oriented Programming (OOP), Data Structures and Algorithms, Mathematical Methods of AI and ML, Project Management, Database Management Systems

British Council 2021 – 2022

• English Language, B1 Level

KTMV National School

2014 - 2021

• GCEA/L Physical Science Stream: 2BC

• Z-Score: 0.9560

Technologies

Programming Languages: Java, Python, JavaScript, C, PHP, C#

Frontend Development: HTML, CSS, ReactNative, React, Next.js, Vite, TypeScript

Backend Development: Spring Boot, Django, FastAPI, Node.js, Docker

Cloud Platforms: AWS, Azure

Databases: MySQL, MongoDB, PostgreSQL

Version Control: Git, GitHub

Data Analytics Tools: Power BI, Excel

Projects

Evaluno AI - Intelligent Recruitment Platform

Evaluno/github

- Developed **Evaluno AI**, a full-stack web application automating hiring workflows using AI and NLP to improve recruitment efficiency and reduce bias generating personalized interview questions and AI-scored assessments.
- Role: Full Stack Developer
- **Technologies:** Next.js, FastAPI, REST API, MongoDB, LangChain, LLaMA-3.3-70B-versatile, JWT, Three.js, TypeScript
- Key Responsibilities:
 - **Interview Question Generation:** Built a system to auto-generate and categorize questions from job requirements for CV evaluation.
 - **CV Analysis:** Built functionality to extract structured candidate data (skills, experience, education) from uploaded CVs using LLaMA 3.3-70B.

- **Virtual Interview Simulation (Planned):** Designed architecture for a feature enabling an AI interviewer to ask dynamically generated questions and evaluate responses using NLP.

Plasticle - QR-Based PET Bottle Lifecycle Tracking Application

Plasticle/github

- Developed **Plasticle**, a cross-platform MERN stack application for QR-based PET bottle lifecycle tracking from manufacturing to recycling, promoting sustainability and supply chain transparency.
- Role: Full Stack Developer | Project Manager
- Technologies: React Native, Next.js, React, Node.js, REST API, React Navigation, Google Maps API, Socket.IO, MongoDB, JWT, Nodemailer, PDFKit, QRCode, Google OAuth, Axios, moment-timezone, uuid
- Key Responsibilities:
 - RBAC: Developed role-specific dashboards and permissions for Respective Stake Holders.
 - QR Code System: Enabled unique bottle QR generation, scanning, deposits, and reward point allocation.
 - Recycler Admin App: Managed bins, bottles, life cycle stages, stakeholders, and real-time stats.
 - Maps & Real-Time: Integrated Google Maps API for bin tracking and Socket.IO for instant updates.
 - Analytics: Built dashboards to track bin usage and recycling performance.
- Impact: Boosted participation via gamification, improved waste tracking, and increased PET recycling transparency.

Experience

Full-Stack Developer & YouTube Manager (Contract), EV Pulse – USA (ev-pulse.com)

2021-2023

- Optimized CMS and homepage with MERN stack (MongoDB, Express.js, React, Node.js); implemented Google Analytics & SEO, increasing traffic by 12%.
- Coordinated remote teams via Trello; produced YouTube content with EV market research and analytics.

Certificates & Achievements

• Machine Learning Specialization Stanford University & DeepLearning.AI (Certificate) Supervised Machine Learning Advanced Learning Algorithms Unsupervised Learning	2025
• MoraXtreme 9.0 Hackathon – 22 nd World Rank (Certificate)	2024
• AlgoXplore 1.0 – CTF Challenge (Certificate)	2024
• Idealize (Ongoing)	2025
• CodeRally 6.0 (Ongoing)	2025
• Agent X (Ongoing)	2025

Extracurricular Activities

- IEEE University of Moratuwa Web Development Committee Member
- **Medium** Technical Writer (Link)
- TLA Web Development Committee Member
- Rotaract Club Project Chairperson & Active Rotaractor
- AIESEC Member of AIESEC CS IGV & Active AIESECer

References

Dr. K. A. Dilini T. Kulawansa

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