MANDIRA PATHIRANA

Software Engineer

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GitHub   LinkedIn

SUMMARY

I am a dedicated and self-motivated Software Engineering fresh graduate with stable academic performance on my side as well as real work experience. This was made possible during my 6-month internship when I was exposed to real life activities in software development and came across numerous concepts. The education I received at the university has given me a strong grasp of theories and methodologies of software engineering in practice, and my internship was a great opportunity to put this knowledge into practice.

WORK EXPERIENCE

Software Engineer Intern, Atera Technologies   Sept 2022 - March 2023

- Agile Methodology: Worked according to the agile methodology to ensure efficient and iterative development processes.
- UI/UX Design: Studied Figma and designed mobile UIs for the company's ongoing project, contributing to an improved user experience.
- Web Development: Developed sample web applications using the MERN (MongoDB, Express.js, React, Node.js) stack, enhancing my full-stack development skills.
- Team Collaboration: Worked collaboratively as part of a team, contributing to project planning, development, and code reviews.
- Code Reviews: Participated in code reviews to maintain code quality and learn best practices from senior developers.
- Project Documentation: Assisted in creating and maintaining project documentation to ensure clarity and continuity for ongoing and future projects.
- Bug Fixing: Identified and resolved bugs in existing applications, contributing to the stability and reliability of the software.
- Client Communication: Engaged with clients to gather requirements and provide updates on project progress, ensuring client satisfaction.
- Version Control: Used Git for version control, managing code repositories and collaborating with team members on shared codebases.

EDUCATION

Bsc in Information Technology Specialized in Software Engineering   2019 - 2023
- Sri Lanka Institute Of Information Technology (SLIT)

Holy Family Balika Kurunegala   2015 - 2017
- G.C.E Advanced Level (Bio Science Stream)

Central College Kuliyapitiya   2009 - 2014
- G.C.E Ordinary Level

TECHNICAL SKILLS

Development
- React JS
- Express JS
- React Native
- Node JS
- Java Script
- CSS
- Tailwind CSS
- HTML
- PHP

Frameworks
- LARAVEL
- MERN

Databases
- Mongo DB
- MySQL
- SQLite

Tools
- Visual Studio
- VS code
- Android studio
- Eclipse

- Figma
- Github
- Gitlab
- Azure

- Jira

LANGUAGES
- English

RESEARCH PUBLICATION
- Deep Learning - Based Predictive Management System for a Dog care center

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PROJECTS

- Online gym equipment web application (PHP, JS, HTML, CSS, MySQL).
- Online auto spare parts web application (LARAVEL, MySQL).
- Online buying and selling web application. (React, Node, Express, Mongo db).
- 'ChemoBrain' mobile application (React native, Node, Mongo DB).
- Hospital management system mobile application (Android studio, SQLite).
- Train reservation system mobile application (Android studio, SQLite).
- A mobile app on the theme of clean water and sanitization (React native, Node, Mongo DB).
- Student management system web application (LARAVEL, MySQL).

- School management system web application (React js, express js, mongo db, node js)
- Book shop web application (React js , express js, node js, MySql)

Research project

- Predictive management system for dog care center using machine learning. This research project proposes a novel Predictive Management System for dog care centers, leveraging the power of machine learning. Designed as a user-friendly web application, the system promises to revolutionize dog care by predicting: Skin diseases, Moods, Ages, Breeds. Built on cutting-edge technologies like machine learning, **React, Mongo, and Python.**

ACHIEVEMENTS

- Certificate for selecting the research paper for International Conference on Advancements in Computing (ICAC 2023).
- Certificate of Participation in The Global Game JamSri Lanka 2020 powered by Arimac.
  Team: Raptors, Theme: Repair.
- Certificate of participation in the online learning program in Web Design for Beginners conducted by Department of information technology, University of Moratuwa.

SOFT SKILLS

- Good listening and communication abilities.
- Willingness to accept challenges.
- Willingness to learn new technologies.
- Time management.
- Problem solving.
- Team work.