Hirusha Fernando

AI/ML Intern

3rd year AI undergraduate and a passionate developer with 3+ years of experience developing web applications using Angular, Python, ASP.NET Core, EF Core, MS SQL, and Firebase. I am also interested in AI and ML. I am eager to be challenged to grow and further improve my skills. Seeking for Machine Learning Internship.

Contact

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- 📞 +94 76 801 8924
- in LinkedIn Profile
- GitHub Profile
- Medium Blog
- Stack Overflow Profile
- DEV Community Blog
- 🌐 Portfolio Page

Skills

Programming

- Python
- JavaScript
- TypeScript
- C#

Frontend

- Angular
- Blazor
- jQuery

Backend

- FastAPI
- Django
- ASP.NET Core
- Entity Framework Core

Database

- MySQL
- MS SQL Server
- MongoDB

AI/ML

- LangChain
- Pandas
- scikit-learn

Experience

Web Application Developer

Crede Technologies | Canada   2022 Jan - 2024 June

- Hands-on experience developing web applications for the healthcare sector using ASP.NET Core, Blazor, jQuery, EF Core, Ant Design Blazor, and MS SQL.
- Developed reusable components using Ant Design Blazor, Blazor, and Bootstrap.
- Integrated AI for existing survey systems using RAG architecture.

Trainee Web Developer

Crede Technologies | Canada   2020 Dec - 2022 Jan

- Implemented Agile practices for project management, leveraging Jira for enhanced team coordination, prompt project completion, and the delivery of high-quality software solutions.
- Managed version control and code repositories with Git and BitBucket.
- Led the development of the core health portal using Django, jQuery, Bootstrap, and PostgreSQL, ensuring robust and scalable patient data management.

Education

BSc Hons in Artificial Intelligence (2022-2026)
University of Moratuwa
CGPA - 3.44 out of 4.00

G.C.E. Advanced Level (2017-2020)
Maliyadeva College
Z Score - 2.1484

Other

- Git
- JIRA
- Docker
- GitHub Actions
- Linux
- Firebase

Soft Skills

Team Working

Adaptivity

Quick Learning

Languages

Sinhala - Native

English - Professional Working Proficiency

References

Dr. Thilini Piyatilake

Senior Lecturer
University of Moratuwa
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Mr. Shalitha Senanayaka

Senior Software Engineer
Digital Team
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Projects

Call Center Communication Analyzer

AI based system to analyzer customer feedback call recordings and provide insightful analytics and data visualizations.

Contribution:- Fullstack Development, Sentiment Analysis, Containerizing Backend, Creating CI/CD Pipelines

Technologies:- FastAPI, Angular, MongoDB, Redis, Celery, GitHub Actions, Docker, LangChain, AWS (S3 Bucket, EC2, Amazon Comprehend)

Q & A RAG Application

SQL database based question and answering LLM application using Retrieval Augmented Generation.

Technologies:- LangChain, Streamlit, ChatGPT-4o LLM, PostgreSQL PGVector

Sentiment Analysis with Python

Python web application with sentiment analysis model trained using an IMDb movie review dataset.

Technologies:- Scikit-learn, NLTK, FastAPI, GitHub Actions, Docker, Azure Container Instances

Smart Letterbox

A modern letterbox with passcode protection that can count letters, recognize registered posts, detect parcels, and send notifications to the mobile phone through its mobile app.

Contribution:- Develop mobile app, Handle Wireless Communcation

Technologies:- Arduino, Ionic, Firebase(Cloud Messaging, Firestore, Cloud Functions)

Hackathons

Predicta 1.0

Organized by University of Peradeniya | 2024
Team based machine learning competition

Mora Extreme 7.0 (8th place)

Organized by University of Moratuwa | 2022
Team based algorithmic coding competition

HackDoze 1.0 (7th place)

Organized by University of Ruhuna | 2022
Individual algorithmic coding competition