RAVISHKA DISSANAYAKA

SOFTWARE ENGINEERING (UG)

CONTACT

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📍 Ruwanwella,Sri Lanka

in https://www.linkedin.com/in/ravishka-dissanayaka-630263281/

🐙 https://github.com/RND036

TECHNICAL SKILLS

- Laravel
- PHP
- Python
- Flutter
- React
- TensorFlow
- FastAPI
- Pandas
- Numpy
- Kotlin
- Django
- Java
- C#
- Javascript
- MERN Stack
- HTML/CSS
- Git
- Docker

EDUCATION

B.ENG (Hons) SOFTWARE ENGINEERING
2023 - 2026
Staffordshire University | United Kingdom
CERTIFICATE IN SOFTWARE ENGINEERING
2022
National Institute Of Business Management
| Sri Lanka

REFERENCE

ANUTHTHARA SENANANAYAKA

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Asia Pacific Institute
Of Information Technology,
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VALUKA WIJEGUNAWARDHANA

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PROFILE

I am a highly motivated Software Engineering undergraduate at Staffordshire University with a strong passion for AI, machine learning, and full-stack development. I enjoy building practical software solutions that solve real-world problems, combining my skills in programming, data science, and web/mobile technologies. I have hands-on experience developing machine learning models, deploying APIs, and creating responsive user interfaces. I thrive in collaborative environments where I can learn, innovate, and contribute to impactful projects.

WORK EXPERIENCE

Fiverr   2023- Present
Freelance Software Developer

PROJECTS

Potato Disease Classifier
- Developed a responsive website for real-time potato leaf disease detection using a CNN deep learning model.
- Enabled drag-and-drop image upload with instant prediction and confidence display.
- Built frontend with React and Material-UI; backend API powered by FastAPI for fast inference.
- Containerized with Docker for streamlined deployment and scalability.
- Tech Stacks: React, FastAPI, Python, TensorFlow, Docker

Spam Classifier
- Built a web-based spam email classifier using Django and machine learning
- Implemented NLP preprocessing: punctuation removal, stopword filtering, and stemming
- Converted text to numeric using CountVectorizer; trained with RandomForestClassifier
- Provided real-time classification through a user-friendly web interface
- Tech Stack: Python, Django, scikit-learn, NLTK, pandas, joblib

House Price Prediction
- Designed a machine learning-powered app to estimate house prices using Linear Regression
- Preprocessed dataset with pandas; created visualization insights using matplotlib and seaborn
- Integrated user input and deployed using Django and joblib
- Tech Stack: Python, Django, pandas, NumPy, matplotlib, seaborn, joblib

Customer Segmentation
- Applied K-Means clustering and PCA to analyze customer behavior and segment markets
- Created visual representations for stakeholder insights and business strategies
- Developed in Jupyter Notebook for flexible exploration and sharing
- Tech Stack: Python, scikit-learn, pandas, matplotlib, seaborn

Hardware Store App
- Developed a comprehensive mobile shopping app using Flutter
- Integrated user login/registration with custom APIs; dual storage via API and offline JSON
- Added geolocation to locate stores, camera for QR scanning, and battery status tracking
- Implemented light/dark mode, responsive layout, and intuitive navigation
- Tech Stack: Flutter, Dart, REST API, MongoDB, MySQL

Pet Care Management System
- Built a full-featured web platform for pet owners and vets
- Key features: vaccination tracking, appointment booking, emergency QR access, chat, and pet store
- Role-based access for admins/vets/users; includes inventory management and analytics
- Developed with Laravel and Jetstream; integrated Chatify for communication
- Tech Stack: Laravel, MySQL, Filament, Jetstream, Chatify, GitHub, Jira, Slack