CONTACT

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Nikaweratiya

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CERTIFICATIONS

- Azure Fundamentals az900
- Coursera: Neural Networks and Deep Learning

TECHNICAL SKILLS

- Github
- Python
- Docker
- Kubernetes
- Cloud (AZURE)
- CI / CD (jenkins)
- Linux basics

SOFT SKILLS

- **Teamwork**
- **Analytical Thinking**
- **Effective Communication**
- **Project Management**
- **Problem solving**

EDUCATION

- B.Sc. (Hons) Computer Engineering 3rd year Undergraduate University of Ruhuna
- 2020-Advanced Level Maliyadeva boys college

KAVINDU RATHNAMALALA

COMPUTER ENGINEERING UNDERGRADUATE

PROFILE

As a passionate and driven computer engineering student, I am eager to leverage my academic knowledge and practical skills to contribute meaningfully time and innovative projects as an intern

EXPERIENCE & PROJECTS

- **Ongoing DevOps Project - Spring Boot Web Application**
  - Developing a Spring Boot web application as part of the university DevOps module
  - Implementing a CI/CD pipeline for automated testing, building, and deployment.
  - Query optimization for improved database performance.
  - Applying DevOps best practices, including automation, monitoring, and cloud deployment
  - Following the Software Development Life Cycle (SDLC) for structured development.
  - Collaborating in an Agile team to integrate development, testing, and operations.
- **Automated HR Management Tool (MERN Stack) (ongoing)**
  - Followed the Full Software Development Life Cycle (SDLC) to design, develop, test, deploy, and maintain the application.
  - Designed and implemented a complete CI/CD pipeline for automated testing and deployment. (ongoing)
  - Worked in an Agile team, collaborating on development, testing, and maintenance.
- **Breast Cancer Prediction Model**
  - Performed data preprocessing:
    - Handled missing values.
    - Applied feature scaling.
    - Conducted multicollinearity checks using Pandas and NumPy.
  - Implemented Logistic Regression and Random Forest algorithms.
  - Optimized performance through hyperparameter tuning with GridSearchCV.
  - Achieved robust accuracy, evaluated using:
    - Precision and recall.
    - ROC-AUC curves and classification reports.
  - Visualized data trends and model insights using Matplotlib and Seaborn.
- **3D Object detection using Convolutional neural network (ongoing)**
- **Path planning system for a logistic company**

  The Path Planning System for Logistics is a comprehensive route optimization project aimed at improving the efficiency and effectiveness of delivery operations for a logistics company. Implemented using data structures and algorithms in C++, the system's main goal is to identify the shortest and most efficient routes, ensuring timely deliveries and reducing operational costs.

VOLUNTEERING

- **Organizing committee member of IEEE SparkLink 1.0**
- **Member of Zero Plastic Ruhuna Community**

REFERENCE

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