

BRB SUDARSHANA BANDARA BARUWATHTHA

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“Passionate about data analytics with undergraduate in Computer Science. Seeking opportunities where I can utilize my analytical and technical skills to solve real life data analytics problems.”

Education

Final Year Undergraduate

University of Sri Jayewardenepura – *Bachelor in Computer Engineering*

Skills

Programming	:	Python, SQL, Java, HTML, CSS, Java Script, PHP, Excel VBA Macros, Flutter, C++
Tools	:	Jupyter Notebook, Power BI, Android Studio, XAMP, Google Collab, Excel Charts, ChatGPT, Visual Studio
Concepts	:	OOP, Data Structures and Algorithms, Parallel Programming, Machine Learning Software Engineering Process, Data Mining, Networking, Data Bases, OS, Probability & Statistics, Mathematics
Soft Skills	:	Excellent verbal and written communication skills, presentation, and story telling skills, Leadership, Self-Motivated, Self-Learner, Analytical Mind, Focus and Dedication to work

Intern

Dialog Axiata PLC, Akbar Place, Colombo 02: Junior Data Analyst – 2020 – 6month

- **Leveraged** supervised and unsupervised machine learning algorithms, statistical analysis, pivoting, visualization, and optimization techniques (multithreading) using various Python libraries, SQL queries, and Excel to **extract insights** from large cell performance datasets.
- **Performed** data collection, cleaning, and transformation to **ensure data quality** for analysis.

Project Experience

Movie Recommendation System – *Machine Learning, Project Final year*

- Build different machine learning models to recommend movies.
- Developed hybrid approach of content based filtering and collaborative filtering. Applied MSE, RMSE and Hit rate used to measure the success.
 - Tools & Languages: Excel, Jupyter Notebook, Python, PowerPoint

Soil Moisture Analyzer, Smart Agricultural System – *Final year Project*

- Clustering Moisture levels of soil with depth in different weather conditions.
- Predict amount of water according to moisture level and weather forecasting to decrease the water wasting.
- Apply **project management skills**: set goals, team progress tracking, solving challenges. Lead the members. Communicate with mentors, present to audience
Tools & Languages: Python, Jupyter Notebook, HTML, CSS, JavaScript, PHP

Android Mobile POS System

- Requirement gathering, system design and implement, test and present the system
- Self-learn in minimum time: Java, Android Ecosystem, XML and Implement product for requirements.
- Error Handling, Presentation, Documentation

Exam Result management System

- Web based Information Management System to login submit, edit, view, notice data using Vue JS, Node JS

Other Activities

- President Student Association, Faculty of Engineering, 2020 : conducting “Sith Pawra” Social welfare Program, contribute by ladder students to IIVCE university Exhibition at BMICH, Organize first time AEMSE sports Encounter with medical faculty.
- Volunteer ISAAC: Grandeur of Ceylon 7.0 as Logistic manager

Reference

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