ABDUL WAJITH

DATA SCIENTIST

2.5+ years of industry experience for turning data into business solutions, looking forward to step into new career which provide a learning environment and be a better platform to apply my skills and enhance my knowledge.

📍 Puttalam, Sri Lanka.

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📞 +9471 959 3829

🌐 https://abdul-wajith-65c9c3724e6c.herokuapp.com/

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EDUCATION

Bachelor of business science (Hons) specialized in business analytics.

UNIVERSITY OF MORATUWA | SEP 2017 - MAR 2022

Advanced Level - Commerce Stream
- Accounting - A
- Economics - A
- Business Studies - A

MN/ MUSALI NATIONAL SCHOOL | JAN 2013 - OCT 2016

SKILLS

PERSONAL SKILLS

- Leadership & Teamwork
- Effective communications
- Willingness to learn & Creative thinking
- Analytical thinking & Problem solving

TECHNICAL SKILLS

- Programming (Python & R)
- Database (SQL & NoSQL)
- Visualization (Power BI , Tableau)
- CI/CD pipelines
- MLOps
- Web development (Flask, MERN, WordPress)

TOOLS & TECHNIQUE

- Machine Learning (Sk-learn, TF, Pytorch)
- NLP & OCR Tools & OpenCV - Image Processing
- AWS, linux & GCP
- LLM & Prompt Engineering
- Version control (github, tfs)
- Big Data (Hadoop)

WORK EXPERIENCE

Deep Data Insights (USA) - Associate Data Scientist

MAY 2022 - PRESENT

- **Psychology Risk Prediction:** Pioneered a revolutionary deep learning model, accurately predicting risks in psychology, including aggression, delinquency, substance abuse, emotional instability, and sexual tendencies during press interviews and speeches.
- **Document AI Expert:** Spearheaded a highly efficient document retrieval system using Flan-T5, GPT-3 models, Haystack, and elastic search to extract valuable insights from complex PDFs and tabular documents.
- **Master Index Matching & Deduplication:** Led the design of an innovative system employing sophisticated string matching techniques to maintain data integrity by mapping single and unique records from various sources.
- **Psychological AI Chatbot:** Showcased expertise in developing an intuitive Rasa-based chatbot, providing personalized support and responses through in-depth analysis of user emotions.
- **Avatar AI (AI Image Generate):** Utilized state-of-the-art techniques to fine-tune a stable diffusion text-to-image model, creating visually stunning user profile images based on preferences and contextual scenarios.
- **Medical Document Summarization & Analysis:** Driving cutting-edge projects in medical document summarization and analysis, leveraging NLP and deep learning techniques to provide concise and informative insights from vast medical datasets.

Hameedia groups

Data Science & AI - intern

AUG 2020 - FEB 2021

- Utilized Python and R for comprehensive data analysis and created interactive visualizations using libraries such as Matplotlib and Seaborn for data-driven decision-making.
- Assisted in developing and fine-tuning machine learning models for predictive analytics, employing tools like scikit-learn and TensorFlow.

PERSONAL PROJECTS

- Hand written digit recognition
- Spam email detection
- Stock price prediction
- Personality system
- Breast cancer & Kidney disease detection
- Movie recommender
- End-to-end ML projects pipelines

CERTIFICATION

- Research paper publication certificate in 3rd South Asia conference on interdisciplinary research 2021 - Held by The International Research & Development Institution (TIRDI)
- 10+ Udemy course completion certificate in ML, DL, SQL, BI and R related projects

LANGUAGES

- English   ●●●●○
- Sinhala   ●●●○○
- Tamil   ●●●●○

EXTRA ACTIVITIES

- President - Al-Munawar Youth Club
- President - Musali Undergraduate Asc.
- Secretary - Past Pupil's Association
- Project Coordinator - Majlis-Ul-Islam (UoM)
- Member - Mora soccer & Hiking clubs

REFERRAL

Dr. I. Mahakalanda
Head - Department of Decision Sciences.
- +9411 265 0301.
- indram@uom.lk.

Mr. H . M Samadhi Chathurange
Project Supervisor & Lecturer
- +9471 467 2084.
- samadhi.mathematica@gmail.com.

- Implemented data cleaning and preprocessing techniques using pandas and NumPy, ensuring enhanced model performance.
- Collaborated with cross-functional teams, actively contributing insights and fostering innovation through effective teamwork.
- Stayed updated on the latest advancements, researching and presenting innovative ideas for process enhancement using cutting-edge data science tools and techniques.

Data Analyst & Scientist
FEB 2021 - MAR 2022

- Data-Driven Excellence: Developed dynamic Power BI reports, boosting revenue by 15% and optimizing inventory turnover.
- Actionable Insights Expert: Utilized SQL to improve processes by 20%, saving valuable time and resources.
- Collaborative Dashboard Innovator: Collaborated with cross-functional teams, crafting custom Power BI dashboards for data-driven decisions.
- Market Trends & Success Driver (Data Science): Utilized machine learning algorithms for customer churn prediction, achieving a 12% growth in customer satisfaction and market share.
- Automated Efficiency Maverick: Slashed reporting time by 25%, fueling innovation and in-depth analysis.
- Impactful Marketing Campaigns: Leveraged Power BI and SQL to lead targeted campaigns, achieving an impressive 18% increase in customer engagement and sales conversion.
- Cutting-Edge Data Science Contributions: Spearheaded innovative data science projects, including natural language processing applications and image generation algorithms.

FINAL YEAR PROJECT

Real estate housing information extracting using OCR & NLP from E-news to develop database. (Published in SAIR`21)

- Collected the images from 6 various e-news domains using selenium & preprocessed, filtered image noises using openCV & used tesseract engine to extract the textual data.
- Text preprocessed such as decoding data, removal of stop-words, lemmatization, stemming, standardizing words and missing value imputation using NLP.
- Extracted information using ruled-base approach & Custom NER ML model techniques to database.
- Data wrangling, EDA & checked regression assumptions & built ML models.