ROGERS LEE

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Experienced data scientist with a history of working closely with cross-functional teams to guarantee the precision and reliability of data and insights. Proficient in spearheading predictive modeling projects and delivering practical insights to enhance business efficiency and achieve strategic objectives.

EDUCATION

Master of Computer Science(MSCS), Artificial Intelligence | Universiti Malaya
December 2013 – June 2015

Bachelor of Science(BS), Mathematics | Universiti Malaya
April 2010 – October 2013

EXPERIENCE

Data Scientist | ZIDEA | Singapore, Singapore
February 2020 – October 2023

- Increased customer acquisition by 20% by researching and implementing machine learning algorithms to optimize marketing strategies.
- Presented findings and insights to senior management, resulting in a 15% increase in marketing budget allocation and a 10% rise in customer retention rates, influencing strategic business decisions significantly.
- Collaborated with stakeholders to develop interactive dashboards that led to a 20% improvement in operational efficiency and a 25% reduction in response time to critical issues, enhancing decision-making processes across the organization.
- Led a cross-functional team to build a predictive maintenance model for manufacturing equipment, reducing downtime by 15%.

Machine Learning Engineer | Fusionex | Kuala Lumpur, Malaysia
January 2016 – December 2019

- Built a recommendation system for an e-commerce startup, increasing sales by 25% through personalized product suggestions.
- Worked with a healthcare company to build a predictive model for patient readmission rates, improving patient care outcomes by 15%.
- Led the development of a real-time fraud detection model, resulting in a 40% reduction in fraudulent transactions and saving the company $1 million annually.
- Created a customer attrition random forest model, improving monthly retention by 6 basis points for customers likely to attrit by servicing relevant product features for them.

Machine Learning Researcher | University of Selangor | Selangor, Malaysia
November 2013 – December 2015

- Determined, using Python clustering methods, groups of states where underwriting models were underperforming, and owned improvements to increase profit by 4%.
- Developed a novel deep learning model that achieved a 30% increase in prediction accuracy for medical image analysis.
- Designed custom natural language processing (NLP) models for sentiment analysis, gaining academic recognition for outperforming 20% of existing benchmarks.
- Extracted data from 7 disparate sources, and increased agility and accuracy with a centralized system.

SKILLS

- Data analysis and trend identification
- Predictive modeling
- Data cleaning and preprocessing
- Data Mining
- Statistical Analysis
- Machine Learning model development
- Time Series Forecasting
- Natural Language Processing
- Recommendation Engines
- Elastic Search
- Custom Chatbots using LLM
- Computer Vision
- Web Scrapping
- Web development
- Communication and Presentation Skills
- Python/R Programming
- SQL Database Management
- Python Libraries for Data Science
- Deep Learning Frameworks
- MySQL
- PostgreSQL
- Data Visualization (Tableau, Power BI, etc.)
- Big Data (Hadoop, Spark)
- Streamlit
- Flask
- SnowFlake
- JavaScript/TypeScript
- React/NextJS
- NodeJS
- Tailwind CSS