Abhijeet Anand

+817040324312 • abbi163@gmail.com

Summary

Data Scientist with six years of experience specializing in Python and R, adept at implementing data-driven solutions across diverse sectors such as Finance, Advertising, and Healthcare. Demonstrated ability in driving business impact through projects like developing retail sales prediction models, optimizing shipping algorithms, and enhancing recommendation systems. Skilled in problem-solving and innovative solution development using advanced machine learning techniques. Looking to leverage this expertise to identify high-impact use cases and develop impactful analytical capabilities.

Skills

Programming Languages: Python, R, SQL

Data Analysis: Data Analytics, Statistics, Machine Learning, Time Series, Data Exploration

Data Tools: ETL, Tableau, BI Tools, Snowflake, Analytics Packages/Libraries

Visualization Tools: Tableau

Cloud Platforms: AWS Boto

Source Control: Git

Work Experience

DataFluct Inc. **Tokyo, Japan**

Data Scientist Present - Present

- Demand Forecasting: Engineered geospatial retail models for sales prediction, incorporating GIS data to inform strategic store placements and manage competitor influence using statistical integration techniques.
- Algorithm Optimization: Developed a box packaging algorithm, reducing shipping costs by 3% for 1.5M+ shipments, showcasing operational efficiency and cost-saving solutions.
- Recommendation Systems: Implemented a sophisticated recommendation engine for a cosmetics website, leveraging user data for personalized marketing which enhanced engagement metrics.
- ESG Reporting: Devised an ESG assessment framework, utilizing web scraping and data analysis to evaluate the sustainability performance of major Japanese firms, resulting in a patent award.
- NLP-Driven Product Categorization: Led the development of an NLP system to categorize over 5 million JICFS dataset products into 400+ carbon footprint categories using BERT for contextual understanding and FastText with Mecab for morphological analysis, enhancing sustainability insights.
- Data Integration: Built robust APIs for data-driven solutions, ensuring seamless integration with cloud services like AWS Lambda and S3 for real-time processing and data integrity. Used tools such as Snowflake for comprehensive data handling.

ARBLET INC. **Tokyo, Japan**

R&D Engineer Dec 2018 - Sep 2020

- ML and DL Innovations: Leveraged machine learning (ML) and deep learning (DL) methods, including boosting, Artificial Neural Networks (ANN), and Long Short-Term Memory (LSTM) networks, to refine activity recognition with 95% accuracy, aiding in effective analytics deployments.
- Activity Classification: Specialized in classifying activities using tri-axial accelerometer data from wearable devices, setting new standards in monitoring and analysis.
- Data Preprocessing and Feature Extraction: Executed advanced data preprocessing to minimize noise and crafted methods to capture essential time and frequency domain features from sensor data, streamlining data exploration and visualization.
- Hierarchical Modeling: Developed a hierarchical tree-based model for structuring daily activities, achieving differentiation among various actions effectively.
- Elderly Healthcare Application: Led a cloud-based project for elderly healthcare, utilizing high-resolution wearable data to classify activities, predict walking speeds, and recommend exercises for improving mobility.

Education

Indian Statistical Institute **Kolkata, India**

Post Graduate Diploma in Applied Statistics -

Indian Instute Of Technology **Bombay, India**

Bachelor of Technology - Jan 2017