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| **Summary** | Data Scientist with over **3 years** of experience in **Artificial Intelligence, Machine Learning, Deep Learning and Robotics** providing analytics and custom development for specific business use cases. Combines Skills in mathematics with analytics with hands-on development of **machine learning algorithms, deep learning, and data modeling** to derive innovative solutions to enhance performance, productivity, and quality of deliverables in any industry |

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| **Skills** | |  |  | | --- | --- | | * **Machine Learning Methods**: Applying classification, regression, prediction, dimensionality reduction, and clustering to problems, predictions and analytics that arise in retail, manufacturing, and market science. * Linear Regression, Logistic Regression, Random Forest, K-Nearest Neighbors, Deep Learning in Python. * **Deep Learning Methods**: Artificial Neural Networks, Gradient Descent variants (including ADAM), Regularization Methods, and Training Acceleration with Momentum Techniques TensorFlow, PyTorch, Keras. * **Artificial Intelligence**: Text understanding, classification, pattern recognition, recommendation systems, targeting systems, ranking systems and analytics. | * **Statistical Methods**: Distributions, Central Tendency, Dispersion, Random Variables and Correlation * **Database**: SQL Server, MongoDB * **Languages**: Python, Java Script, SQL * **Reporting Tools:** Power BI * **Libraries**: Pandas, NumPy, SciPy, Scikit Learn, Stats models, Plotly * **Data Visualization**: Matplotlib, Seaborn * **Cloud Knowledge**: AWS * Strong Programming skills in * (SQL, C#) with proficiency in Python. | |

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| **Professional Summary** | * Over 3 **years of experience** in the IT Industry as a **Data Analyst** * Highly efficient in **Data Analysis, Machine Learning, Data mining** with large data sets of Structured and Unstructured data, **Data Acquisition, Data Validation, Predictive modeling, Data Visualization**, **Web Scraping**. Adept in **programming** language in **Python**. * In-depth knowledge of statistical procedures that are applied in both Supervised and Unsupervised **Machine Learning problems.** * **Machine learning techniques** to marketing and merchandizing ideas. * Proficient in managing entire data analysis project life cycle and actively involved in all the phases of project life cycle including **data acquisition, data cleaning, data engineering, features scaling, features engineering, statistical modeling** (**decision trees, regression models, clustering**), dimensionality reduction using Principal Component Analysis and Factor Analysis, testing and **validation and data visualization**. * Adept and deep understanding of **Statistical modeling, Multivariate Analysis, Model Testing**, problem analysis, model comparison, and validation. * Expertise in transforming business requirements into **analytical models, designing algorithms**, building **models**, developing data mining and reporting solutions that scale across a massive volume of structured and unstructured data. * Skilled in performing **data manipulation** and data preparation with methods including describe data contents, compute descriptive statistics of data, regex, split and combine, remap, merge, subset, reindex, melt and reshape. * Experience in using various packages like **Pandas, NumPy, Seaborn, SciPy, Matplotlib, Sci-kit-learn** * Extensive experience **in Text Analytics, generating data visualizations using Python** and creating **dashboards** using tools like **Power BI.** * Experience in **designing visualizations** using **Power BI software** and publishing and presenting dashboards and desktop platforms. * Experience with **Data Analytics, Data Reporting, Graphs, Scales, PivotTables** and reporting. * Highly skilled in using **visualization tool Power BI.** * Worked and extracted data from various database sources like **SQL Server** regularly accessing JIRA tool and other internal issue trackers for the Project development. * Good work experience on **ad-hoc statistical, data mining** using Python * Performed extracting data from the database using **ETL Process** |

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| **Experience** | |  |  | | --- | --- | | Data Scientist | * 06/2021 – Current **Client**: OSP Healthcare **Project**: Patient Portal |   **Project Description:** Patient Portal Mobile App, from the convenience of a mobile device, patients can easily access appointment and patient balance information, participate in telehealth visits and utilize the virtual waiting room experience for in-office appointments.  Enhance the patient experience with integrated Patient Portal • Surpass Compliance requirements and avoid financial penalties • Patients can access own personal health record • Patient demographics, medical history and insurance information updated in real time  **Responsibilities**   * Implemented application of various **machine learning algorithms and statistical modeling like Decision Tree, Text Analytics, Sentiment Analysis, Naive Bayes, Logistic Regression and Linear Regression using Python and determined** performance. * Built scalable and **deployable learning** models. * Used analytics libraries **Sci-kit learn** * Extensively used Python's multiple data science packages like **Pandas, NumPy, Matplotlib, Seaborn, SciPy, Scikit-learn.** * Performed **Exploratory Data Analysis** to find trends and clusters. * Built models using techniques like **Regression, Time Series forecasting, Clustering.** * Worked on data that was a combination of unstructured and structured data from multiple sources and automated the cleaning using **Python scripts.** * Extensively performed large data read/writes to and from csv and excel files using **pandas**. * Improved loan prediction performance by using random forest and gradient boosting for feature selection with **Python Scikit-learn**. * Implemented machine learning model (**logistic regression, with Python Scikit- learn.)** * Worked on the data validation with the help of **Univariate, Multivariate analysis**. * Extensively worked with data governance team to **maintain data models, metadata and dictionaries.** * Used **Python to pre-process data** and attempt to find insights. * Iteratively rebuild models dealing with changes in data and refining them over time. * Created and published multiple dashboards and reports using **Power BI.** * Gained expertise in **Data Visualization** using Matplotlib, Seaborn and Plotly  |  |  | | --- | --- | |  | Oct 2020 – May 2021 **JR Data Analyst** **Project**: Scrom (E-learning) **Client**: Learning Technologies Group **Website**: <https://www.learningtechnologies.co.uk/> |   **Project Description**: The Learning Technologies portfolio is designed around the needs of workplace learning professionals Consisting of industry-leading exhibitions, conferences, online events, communities, learning resources, collaborative tools and knowledge-sharing opportunities, it enables L&D professionals to learn, interact and Network throughout the year Technology is constantly driving change and its adoption in L&D continues to grow at a phenomenal pacAs technology continues to develop new, exciting and increasingly effective ways of reaching and engaging learners, its integration has become vital to the success of every L&D and HR department  **Responsibilities**   * Interacted with stakeholders to **prepare Requirements.** * Prepared data for **exploratory analysis.** * Used **Python** to pre-process data and attempt to find insights. * Used **Data science packages like Pandas, NumPy, Matplotlib, Seaborn.** * Worked on combination of **unstructured and structured data** from multiple sources and cleaning using Python. * Widely performed **large data read, writes with csv and excel files using pandas.** * Accomplished **exploratory data analysis to find Trends and Clusters**. * Done analysis using libraries **Sci-kit learn for analytics** * Performed the **data validation with the help of Univariate, Multivariate analysis**. * Done **Data Visualization using Matplotlib, Seaborn**. * Created and published multiple dashboards and reports using **Power BI.** |

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| **Education** | |  |  | | --- | --- | | Master of Science: Computer Science | 05/2022 |   University of East London | London |