**Sudhish Subramaniam**

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**Technical Skills and Knowledge**

* **Framework**s: Anaconda, Jupyter Notebook, Google Colab, PowerBI
* **Languages**: Python, SQL, Microsoft Excel
* **Python Libraries:** Scikit-learn, Pandas, NumPy, Plotly, Matplotlib, Seaborn
* **Technical skills:** Data Science, Machine Learning, AI
* **Algorithms:** Supervised Learning, Unsupervised Learning, Reinforcement Learning

**Professional Experience**

**Junior Business Analyst Intern**  Jan 2022 – May 2022

*Bonrix Software Systems, Gujarat IN*

* Implemented machine learning algorithms for high accuracy in face detection, utilized OpenCV, and incorporated Decision Tree and Random Forest algorithms also developed a facial recognition microcontroller application.
* Managed complex data sets, involved change management, business analysis, with commitment to ensuring data quality.
* Attained maximum accuracy of 91%, and accommodated client-specific modifications, showcased strong analytical support, problem-solving skills, and effective stakeholder management.

**Data Insights Intern** Jul 2021 - Aug 2021

*NITK-STEP, Karnataka IN*

* Developed predictive models for future stock rates, tasked with analysis of stock rates from Bombay Stock Exchange.
* Employed Power BI and Python, applied statistical techniques and machine learning algorithms, placed emphasis on data visualization, and upholded data accuracy standards.
* Predicted future stock rates with commendable 90% accuracy, highlighting a commitment to change, thorough reviews, robust analytical skills, and adept decision making capabilities.

**Artificial Intelligence Intern** Jun 2020 - Jul 2020

*Hawkscode, Rajasthan, IN*

* Formulated strategies for customer retention and credit limit optimization, addressed challenges faced by credit card firms during the COVID-era.
* Applied logistic regression and linear regression in intricate data analysis, offering unsolicited analytical support, and actively participates in mentoring team members.
* Improved customer retention strategies showcased dedicated stakeholder management and coaching skills.

**Artificial Intelligence Intern** Mar 2020 - Apr 2020

*ICT Kanpur, Uttar Pradesh, IN*

* Predicted survival rates utilizing machine learning algorithms on Titanic survivors' data.
* Utilized Sklearn, Matplotlib, and Pandas for in-depth data analysis, demonstrating profound understanding of communities, and applying judgment and meticulous attention to detail throughout the data analysis process.
* Predicted 92% accuracy rate in survival, this achievement exemplifies proficiency in data analysis and demonstrates exercises judgment and exceptional problem-solving skills, complemented by effective written communication.

**Projects**

**Worldwide Labour Migration Analysis using LinkedIn Data**  2023

* Investigated global labor migration trends and analyzed migration trends using various data sources.
* Led a team in Python to analyze and visualize data, with a specific focus on performance indicators, mentoring employees in the process, and ensuring quality standards through effective decision-making.
* Delivered comprehensive reports and insights, showcased leadership, collaboration, and data visualization skills.

**Multipurpose IOT-Based Camera Using Deep Learning** 2022

* Achieved high accuracy in various detections was sought for development of a versatile camera model.
* Constructed a model leveraging OpenCV and machine learning, encompassing multiple use cases and adhering to software development life cycle standards.
* Attained an accuracy rate of 91%, highlighting robust problem-solving skills and capacity to work independently.

**Publications**

**FetchZo: Real-Time Mobile Application for Shopping in Covid** 2020

* Crafted model to locate shops and monitor occupancy for creation of a shopping application during COVID-19.
* Employed K-means clustering and OpenCV for implementation, with focus on ensuring high data quality and accuracy.
* Accomplished commendable accuracy rate of 90%, presented at International Conference on Sustainable Communication Networks and Applications, ICSCN, 2020, highlighting strong analytical and problem-solving skills.

**Automatic and Multi-Dimensional Pipe Cleaning Bot for Covid** 2020

* Constructed an automated system for cleaning diverse pipes by designing a robot for cleaning pipes.
* Integrated OpenCV and the Random Forest Algorithm, ensured high-quality standards and accuracy in dirt detection.
* Attained an impressive accuracy rate of 91%, exemplifying a keen attention to detail and technical expertise.

**Education**

**Master of Science in Data Analytics Engineering**  Dec 2023

*Northeastern University, Vancouver, BC*

* CGPA of 3.84/4.00
* Awarded Certificate of Achievement for Exceptional Curiosity by Northeastern University’s Dean.

**Bachelor of Technology in Electronics and Communication Engineering**  May 2022

*Vellore Institute of Technology, Vellore, Tamil Nadu, IN*

* CGPA of 3.58/4.00
* Awarded Merit Certificate for Academic Excellence

**Competitions**

**Responsible AI Symposium at Northeastern University, Vancouver** 2023

* Achieved award an at the Responsible Artificial Intelligence Symposium 2023, surpassing 40 other contenders, through my extensive research and dedication to harnessing Responsible AI's potential to improve healthcare.

**Chai Time Hack** 2022

* Secured first position as a team, developing a robust application for detecting store occupancy during the COVID-19 hackathon leveraging **Python**, **Bluetooth.**