**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 Consultant Intern**  Jan 2022 – May 2022

*Bonrix Software Systems, Gujarat IN*

* Spearheaded digital transformation initiatives by implementing machine learning algorithms for face detection using OpenCV, highlighting adaptability and tech-savvy skills in Decision Tree and Random Forest algorithms.
* Pioneered innovative facial recognition microcontroller app, demonstrating design thinking, consulting solutions.
* Managed complex data sets and business processes, ensuring data quality and process improvements, and developed consulting services for client management.
* Achieved a 91% accuracy rate, adapting client-specific modifications and demonstrating 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, focusing on digital transformation in the financial sector and analyzing Bombay Stock Exchange data.
* Utilized Power BI for data visualization, upheld data accuracy standards, showcasing business analytics proficiency.
* Achieved 90% accuracy in predictions, demonstrating commitment to agile methodologies, thorough reviews, robust decision-making capabilities.

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

*Hawkscode, Rajasthan, IN*

* Formulated strategies for customer retention and credit limit optimization during the COVID-era, focusing on digitization in the credit card sector.
* Provided consulting services through regression analysis, mentored team members in e-learning platforms.
* Enhanced customer retention strategies, showcasing dedicated client management, mentorship, and coaching skills.

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

*ICT Kanpur, Uttar Pradesh, IN*

* Predicted Titanic survivors' survival rates using ML algorithms, demonstrating negotiating skills in historical data analysis.
* Employed Sklearn, Matplotlib, Pandas for in-depth analysis, reflecting on communities with attention to detail.
* Achieved 92% accuracy rate, exemplifying data analysis proficiency and problem-solving skills, complemented by effective communication.

**Projects**

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

* Investigated global labor migration trends, as flexible and tech savvy grad, emphasizing digital transformation, and providing business consulting in labor market analysis.
* Led Python team in analyzing, visualizing data, mentoring employees, ensuring quality through effective decision-making, obeying the procedures of consultant.
* Delivered comprehensive reports, showcasing leadership, collaboration, and data visualization skills.

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

* Developed a versatile camera model, focusing on digitization and innovative use cases in surveillance technology.
* Constructed the model with OpenCV and machine learning, adhering to software development life cycle standards.
* Attained a 91% accuracy rate, highlighting problem-solving skills and independent working capacity.

**Publications**

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

* Crafted model to locate shops and monitor occupancy for creation of 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 keen attention to detail and technical expertise.

**Education**

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

*Northeastern University, Vancouver, BC*

* CGPA of 3.79/4.00
* Awarded Certificate of Achievement for Exceptional Curiosity by Northeastern University’s Dean.
* Achieved Top 6 Placement in Spexi Hackathon through Proficient Data Analysis of Aerial Drone Imagery.

**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 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.