**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 Data Scientist Intern**  Jan 2022 – May 2022

*Bonrix Software Systems, Gujarat IN*

* Specialized in fraud analytics and predictive analytics in banking, implementing machine learning algorithms for high accuracy in face detection using OpenCV, and developed a facial recognition microcontroller application.
* Managed complex data sets in retail and mortgage sectors with an adaptable and committed approach, ensuring a scene with data-driven organization and resource allocation for optimal results and good performance points.
* Achieved 91% accuracy, showcasing a creative approach and strong interpersonal skills in member engagement, fostering valuable relationship building, and gaining positive outcomes.

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

*NITK-STEP, Karnataka IN*

* Utilized creativity and strong relationship-building skills to develop predictive models for forecasting stock rates, with a forward-looking approach towards emerging technologies and forecasting methodologies.
* Developed predictive models and utilized a data-driven approach to forecast stock rates, as user-focused data scientist, delivering exciting insights through effective presentations and efficiently grow in future.
* Leveraged Power BI and Python for data visualization, upholding professional communication and accountability.
* Predicted stock rates with 90% accuracy, showcasing strategic development and analytical skills.

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

*Hawkscode, Rajasthan, IN*

* Utilized statistical techniques and analyzed data to formulate strategies for loyalty and rewards models in credit card firms, demonstrating articulate, strong behaviour and presentation skill in conveying findings and insights.
* Improved customer retention strategies, reflecting collaborative and strategic thinking in professional communication.

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

*ICT Kanpur, Uttar Pradesh, IN*

* Predicted Titanic survival rates, showcasing detail-oriented and creative approach in data analysis.
* 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.
* Demonstrated judgment and problem-solving skills, with 92% accuracy in predictions.

**Projects**

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

* Delivered comprehensive reports and insights, showcased leadership, collaboration, and data visualization skills.
* 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.
* Analyzed global labor migration trends, leading a Python team to gain valuable insights and visualize performance indicators, enhancing organizational understanding of the current scene.

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

* During interview with stakeholders, artfully worked to share a love for innovative solutions with company owners using OpenCV, machine learning, ensuring adherence to strict software development life cycle standards.
* Developed versatile camera model with strategic and creative approach and growth, focusing on emerging technologies.
* Achieved a 91% accuracy rate, demonstrating independent and problem-solving skills.

**Publications**

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

* Developed a shopping app model during COVID-19, focusing on retail and customer engagement.
* 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 analytical and presentation skills.

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

* Designed automated cleaning system, integrating emerging technologies, strategic development for resource allocation.
* Integrated OpenCV and the Random Forest Algorithm, ensured high-quality standards and accuracy in dirt detection.
* Attained 91% accuracy, exemplifying technical expertise and detail orientation.

**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.
* 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 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.