John Smith, M.Sc.

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SUMMARY

Data Scientist with Master degree in Information and Data Science and 7+ years of work experience in Machine Learning and Project Management in Education, Bio Sciences and Computer Vision. 10+ yrs of coding experience in Python including various ML libraries including Scikit-Learn and TensorFlow. Looking for new opportunities in Data Science and Analytics in the SF Bay Area or Remote.

SKILLS

PROGRAMMING LANGUAGES: Python (10+yrs), R, SQL. **ML TOOLS:** Scikit-Learn (10+yrs), TensorFlow (4+yrs), Keras, PySpark, SciPy, Pandas, NumPy. **ML TECHNIQUES:** Deep Learning, Neural Networks, Dimensionality Reduction, Hypothesis Testing, A/B Testing, KNN, K-Means, XGBoost, Random Forest. **PROJECT MANAGEMENT:** Agile and Scrum methodologies. **DATA VISUALIZATION:** Seaborn, MatplotLib, Tableau.

WORK EXPERIENCE

Data Scientist *(Micro Solutions)* — **San Fransisco, CA** *2023–present*
- Led the implementation of the Medallion Architecture on Databricks in PySpark. Streamlining data workflows from raw processing to aggregated data-driven insights to significantly improve strategic analysis during the entire data lifecycle to optimize business outcomes.
- Enhanced modularity within Databricks, focusing on scalability and automation to improve the process and sustainability of the system.

ML/Data Science Instructor/Consultant *(Carly Startup)* — **Remote** *2022–2023*
- Developed and executed a data science curriculum to empower underprivileged individuals to launch careers in data science, leveraging extensive industry expertise. Designed and led hands-on workshops for the real-world applications of data science and machine learning.

Machine Learning Engineer/Data Scientist *(Buck Labs)* — **San Francisco, CA** *2020–2022*
- Led the design and implementation of a machine learning pipeline for optimizing Object Detection and Classification in radar images, enhancing Software-Defined 4D Imaging Radar capabilities. Achieved high precision and recall rates by implementing advanced neural network techniques and transfer learning, making a big impact to support the company's goals in creating advanced perception systems.
- Automated the generation of simulated radar images, establishing a comprehensive dataset and a robust data processing pipeline for ML/DL.

Data Scientist *(Indiana University)* — **Bloomington, IN** *2014–2017*
- Oprimized the design and development of a new predictive model for undergraduate enrollments, delivering key data-driven insights to help course planning and student admissions strategies. Contributed to strategic decision-making across the organization by integrating multiple data sources, including HR, student, and financial data and creating interactive Tableau dashboards for Decision Support Initiative (DSI).
- Collaborated in planning projects with the Scrum Master, working within Agile methodology to manage sprint planning and retrospective sessions. My role was instrumental in streamlining project workflows and enhancing team productivity through effective Agile practices.

Data Scientist *(University of Pennsylvania)* — **Philadelphia, PA** *Jan–Aug 2014*
- Conducted research and data analysis on information diffusion on social media platforms (Twitter) to study the dynamics of news dissemination and the flow of information. (results published in international peer-reviewed journals and conference presentations)

DS TRAININGS & CERTIFICATES

Data Science Fellow — **Springboard** *2019-2020*

600+ hours of hands-on curriculum, with 1:1 industry expert mentor oversight, and completion of in-depth real world projects:

- *Image Classification on Fashion-MNIST dataset using CNN*
- *Creating Customer Segments Using K-means and PCA*
- *Credit Card Fraud Detection System Using ANN, Random Forest and XGBoost*

Deep Learning *Certificate* — **University of San Francisco, CA** *Mar–May 2020*
Machine Learning Engineering *Nanodegree* — **Udacity, Online** *Jan–Apr 2019*

EDUCATION

M.Sc. *in Data and Information Sciences* — **Indiana University, Bloomington** *2014*
B.Sc. *in Software Engineering* — **University of St. Paul, Ireland** *2010*

VOLUNTEERING

Co-chair of Greek Women in Computing — **Anita Borg Institute** *2016–2019*
- Developed long-term and short-term plans for outreach programs, and moderated professional panels on career growth, contributing to the growth of a community of over 500 students and professionals in the United States.
- Organized and managed volunteers for conferences, demonstrating excellent project management and leadership skills.