

Contact

www.linkedin.com/in/sakshisuman12 (LinkedIn)

Top Skills

Time Series Analysis
XGBoost
Classification

Languages

English (Full Professional)
Hindi (Native or Bilingual)

Certifications

Registration Badge

Publications

Classification of Land Cover using
Data Analytics for Hyperspectral
Imaging

Sakshi Suman

Actively seeking full time opportunities in Machine Learning |
Amazon | LinkedIn | M.S. in Applied Mathematics at Northeastern
University
San Jose, California, United States

Summary

I am a highly motivated and detail-oriented Machine Learning Engineer with 3 years of experience in developing and deploying machine learning models for various applications. Skilled in data preprocessing, feature engineering, model selection, optimization and, deployment. Proficient in programming languages such as Python, Java, and C++ and cloud technologies such as AWS and GCP. Possess excellent analytical, problem-solving, and communication skills.

Experience

Squark

Machine Learning Engineer
February 2023 - Present (3 months)
San Jose, California, United States

- Collaborated to create a user-friendly platform powered by AI that empowers business users and analysts to extract meaningful customer insights through the visualization of data and interpretation of top-performing models.
- Responsible for managing the deployment, maintenance, and updates of the platform.

Amazon

Applied Scientist Intern
September 2022 - December 2022 (4 months)
Seattle, Washington, United States

- Helped Amazon sellers prevent brand infringement by optimizing logo embeddings using UMAP and distribution-based classifier.
- Developed novel solution which improved the precision of existing classifier from 91% to 98% and recall from 90% to 96% and reduced the number of False Positives by ~400K, predicted bi-weekly.
- Worked in Brand Protection ML team and deployed the model using Amazon SageMaker with multiple inference modes.

LinkedIn

Machine Learning Intern

May 2022 - August 2022 (4 months)

Sunnyvale, California, United States

- Worked in the Anti-Abuse AI team to develop an end-to-end Machine Learning model to detect fraud jobs using content-based features. Improved the Precision from 28% to 49% at 80% Recall compared to an existing behavioral model.
- This improved LinkedIn's product quality and reduced manual human intervention of downstream team by 43 %.

Girls' Angle

Mathematics Instructor

September 2021 - May 2022 (9 months)

Boston, Massachusetts, United States

My passion for math extended towards reaching out to people with similar interests. Girl's Angle is a non-profit organization sponsored by Google to foster and nurture girls' interest in mathematics where I volunteer to teach young girls concepts of mathematics with a pragmatic approach while trying to instill in them a penchant for numbers.

Northeastern University

Teaching Assistant

September 2021 - May 2022 (9 months)

Boston, Massachusetts, United States

TA for the following courses:

- 1) MATH 1241 - Calculus 1 (Fall 2021)
- 2) MATH 3081 - Probability and Statistics (Spring 2022)
- 3) MATH 1241 - Calculus 1 (Fall 2022)

Pelatro

Software Engineer - Machine Learning

June 2019 - June 2021 (2 years 1 month)

Bengaluru Area, India

- 1) Predicted Next Best Action for a coupon generator application using K-Means Clustering with an accuracy of 61 %.
- 2) Adapted Tesseract OCR's code, to increase accuracy in text-recognition for screen fonts from 50 % to 95 %.
- 3) Optimized the duplicate row detection algorithm using a probabilistic approach and reduced time complexity from $O(n^2)$ to $O(n)$.

4) Worked in technical teams in development, deployment with product managers to formulate data analytics problems.

Walkter Beacon Lab

DS/ML Intern

January 2019 - May 2019 (5 months)

Bengaluru, Karnataka, India

- 1) Automated resume matching process using an NLP model and decreased the time spent by recruiting by approximately 80 %.
- 2) Performed sentiment analysis on user ratings for organizations and developed a smart scoring algorithm for work happiness.
- 3) Designed an efficient data structure for user visit logging and calculation of user retention rate. Automated email system for ATS.

ISRO - Indian Space Research Organization

Intern

January 2018 - May 2018 (5 months)

Bengaluru Area, India

Worked on a project to classify urban area using data analytics for hyperspectral imaging.

Education

Northeastern University

Master of Science - MS, Applied Mathematics · (June 2021 - December 2022)

REVA University

Bachelor of Engineering - BE, Computer Science · (July 2015 - April 2019)