

Aman Satya

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EDUCATION

University of Colorado Boulder

Aug. 2019 – May 2021

Masters of Science in Computer Science

Specialization: Intelligent Systems, Boulder, CO

- **Key Courses:** Machine Learning, Data Mining, Natural Language Processing, Probability in Computer Science, Big Data Architecture

BMS College of Engineering

May. 2019

Bachelors of Engineering in Computer Science

Bengaluru, India

- **Key Courses:** Data Structures in C, Algorithm Design and Analysis, OOPs in Java, Database Management Systems, Operating System.

TECHNICAL SKILLS

Languages: Python, Java, Scala, SQL, C, JavaScript, ReactJS, HTML/CSS, R

Frameworks: Apache Spark, Pyspark, AWS EMR, AWS EC2, Kafka, Hadoop, Flask

Developer Tools: Airflow, AWS DynamoDB, Cassandra, Redis, Git, Docker

Libraries: Scikit-learn, Pandas, NumPy, Tensorflow, Keras, PyTorch, Matplotlib, Seaborn

EXPERIENCE

ZEE5

July 2021 - Present

Software Development Engineer

Bangalore, India

- Built ETL pipelines for Customer Data enrichment Platform and developed data pipelines for audience creation, used for Ad campaigns. Automated work flow of spark jobs using Airflow. Working on developing in house data pipelines for Content Management System data. Aggregating impression and click data and developed response structure of it. Tech Stack: Python, Scala, Pyspark, Apache Spark, AWS EMR, Airflow, Cassandra, Kafka.

Status Solutions

Aug 2020 - May 2021

Research Staff

Westerville, OH

- Developed an algorithm to identify patterns leading to PTSD. Created data pipeline and underlying features using cluster algorithms via scikit-learn Python library thereby reducing model run-time by 15%; Built model visualizations using Scikit and Seaborn Python library

Times Club

June. 2020 - Aug. 2020

Software Engineer Intern

Redwood City, CA

- Developed a ranking model using scikit-learn Python library for prioritizing merchant-onboarding on Credit Card bills payments app to increase user retention by 4% and expenditure by 10%. Built a responsive admin panel using HTML/CSS, React and Spring Boot Java framework for business development team. Stack: Python, Excel, React, Spring Boot Java.

Lumata Digital

June. 2017 - July. 2017

Software Engineer Intern

Noida, India

- Developed a sentiment classification of social media posts to determine user's views towards brands. Used Convolutional Neural Network(CNN) on Tensorflow to classify posts into sentiment buckets, achieved accuracy of 96%; across platforms.

PROJECTS

Stock Trading Interface using data from Reddit:

Developed a stock trading web application which enables user to trade on the basis of sentiments of live streaming textual data coming from /r/WallStreetBets using Reddit API. Stack: DynamoDB, Kubernetes, Kafka and React

Multi-player Java GUI based Blackjack game:

Developed a multiplayer Blackjack game using Java Swing framework with GUI and built over MySQL database; Leveraged multiple Java design patterns and UML designs to develop a robust Blackjack game

Fake News Detection With Enriched Attributes Using NLP:

Synthesized a new fake news detection model by adding new attributes of Click-baitness and Content Similarity into existing LSTM model using Keras Library; Resulted in improvement of 0.1% in accuracy