

ARYAN JADON

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EDUCATION

San José State University

Masters in Software Engineering

Aug. 2021 – Present

San José, California

Jaypee Institute of Information Technology

Bachelors in Computer Science and Engineering

Aug. 2013 – May 2017

India

EXPERIENCE

Autodesk

Senior Software Engineer

Jan 2021 – Aug 2021

Bangalore, India

- Automated a complex on-boarding process for Autodesk managed databases by developing an orchestrated workflow for GDPR (Data Privacy) Compliance, triggered by submitting a simple service now form.
- Developed monitoring services to maintain the database schema integrity and concurrency in the pre-production and staged databases.
- Collaborated with several internal teams across Autodesk to help them adopt our managed deployments solution and ensure their success.

Technologies - Python, Amazon Web Services, Django REST, Apache Kafka, Apache Zookeeper, RabbitMQ

Moody's Analytics

Software Engineer

Nov 2017 – Dec 2020

Bangalore, India

- Designed centralized data pipelines for companies financial fundamentals and stock price analysis using machine learning. This helped hedge fund managers to take long or short positions in stock markets.
- Extracted features from proprietary bank datasets to recommend IPO price offering deals for a major US investment bank
- Migrated outdated and rigid data warehouses to Cloud native and flexible data warehouses to make them ready for complex analytics and business needs.

Technologies - Python, R, Amazon Web Services, Django, Data Mining, Analytics

TECHNICAL SKILLS

Languages: Python, R, JavaScript, C#

Frameworks: Django, Flask, REST, Unity3D

Databases: Oracle, MySQL, SQL Server, Mongo DB, Redis

Others: Amazon Web Services, Apache Kafka, Apache Zookeeper, RabbitMQ, Docker, Kubernetes, Git, Nginx

PERSONAL PROJECTS

Analytical Writing Grader | *Python, nltk, sklearn, scipy*

[\[Link\]](#)

- Developed an AI based Grader system to rate GRE/TOEFL/IELTS exam essays on basis of writing style, grammar, and topic understanding.
- As part of system, created an ensemble rating algorithm using topic modeling, NLTK, NetworkX, and sklearn.
- Furthermore, enhanced the system to suggest better writing style by re-structuring sentence and using better words.

Readers Emotions Predictor | *Python, deeplearning, nltk, scipy*

[\[Link\]](#)

- Created emotional reaction prediction model using hugging face for fictional books analysis
- Used model results to recommend books or articles on the basis of author's style to readers.
- Furthermore, engineered model results to suggest/recommend story writing style for authors.

Fall Kings | *C#, Unity3D*

[\[Link\]](#)

- Developed and replicated mechanics of Fall Guys Knockout Game.
- Used Unity Physics, Navmesh system, State Machines and GOAL Oriented programming for behavioural decision making in AI bots players.

RELEVANT COURSEWORK

Data Structures and Algorithms, Software Engineering and Development, Statistics, Data Mining and Operating Systems