

DISHA LAMBA

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WORK EXPERIENCE

Mindgrasp

Data Scientist

Columbia, MD

Jan 2024 – April 2024

- Implemented AWS Lambda scripts in Python leveraging NLP models and knowledge-bases boosting user growth by 12%.
- Led a team of 5 developers in improving ReactJS app performance through A/B testing, enhancing user experience.
- Analyzed user metrics with Mixpanel to drive product development and presented key insights to C-suite via Tableau.
- Facilitated strategic planning sessions with cross-functional teams, enhancing project efficiency and alignment.

Subconscious AI

Machine Learning Engineer

New York, NY

July 2023 – Jan 2024

- Optimized the research tool by preprocessing data with Python, SQL, and applying decision trees, achieving 83% accuracy.
- Integrated Hate-Speech API for content filtering, leading to 90% improvement in moderation, saving 200+ hours.
- Streamlined project timelines & resource utilization in Agile, Git-based environment, enhancing development lifecycle.
- Surveyed 5000 users and analyzed feedback to identify areas for improvement, boosting user satisfaction.

Data Glacier

Data Science Intern

New York, NY

June 2022 – Aug 2022

- Developed semantic text-ranking search engine, reducing average query time by 45% and streamlining search processes.
- Designed ETL pipelines to transform 1M unstructured text data into structured format, improving data usability.
- Built a Python-based BERT/TF-IDF model, achieving 92% accuracy in enhancing search capabilities.
- Optimized data storage, processing using AWS S3, Lambda, achieving 25% improvement in data access and cost reduction.

Sapio Analytics

Machine Learning Engineer

Mumbai, India

July 2020 – June 2021

- Spearheaded development of job-search portal for Government of India, facilitating 1.2M job opportunities nationwide.
- Implemented job-search portal using KNN algorithm, tailored to user location, skillset, that achieved 83% accuracy.
- Presented insights using Tableau to senior leadership and clients, driving decision-making aligned with user needs.

SKILLS

Technical: Python, R, MySQL, SAS, Postgres, Spark, Kafka, MS Excel, TensorFlow, Keras, SciPy, HTML/CSS, ReactJS, Flask

Data & Machine Learning: Data Warehousing, Regression, Classification, Clustering, Statistical Analysis, Time-Series Analysis

Cloud & Other Tools: Amazon Web Services, Snowflake, Git, Linux, Docker, Mixpanel, Tableau, PowerBI

PROJECTS

Data Analytics - Portfolio Optimization (MS Excel, Tableau)

- Revamped deterministic model with Excel Solver for portfolio optimization, resulting in 18% decrease in projected cost.
- Developed Tableau dashboards for portfolio performance, risk metrics, KPIs for informed investment decision-making.

Big Data - Movie Recommendation System (Spark, SQL) [GitHub]

- Extracted valuable insights from 27M MovieLens dataset using SQL, Pandas, Matplotlib to guide feature development.
- Engineered collaborative filtering ALS algorithm in PySpark, benchmarked against LightFM and Annoy models, achieving 95% accuracy with Annoy for top-3 movie recommendations, continuously adapting to user preferences.

EDUCATION

New York University

Master of Science in Computer Engineering

New York, NY

May 2023

Coursework: Machine Learning, Deep Learning, Statistics, Big Data, Decision Optimization Models and Data Analytics

Course Assistant: Deep Learning, Computer Networking

Guru Gobind Singh Indraprastha University

Bachelor of Technology in Information Technology

Delhi, India

September 2020

Coursework: Data Structures and Algorithms, Cloud Computing, Software Engineering, Database Management Systems

ACHIEVEMENTS AND LEADERSHIP

- Best Medical Hack** at [MHacks 13 hackathon](#); developed ReactJS app to match COVID-19 patients with plasma donors.
- Former **Vice President**, NYU Machine Learning Club: Ignited machine learning interest in 30+ students.