

DISHA LAMBA

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WORK EXPERIENCE

Mindgrasp

Data Scientist

Columbia, MD

Jan 2024 – Apr 2024

- Developed Python scripts in AWS Lambda utilizing NLP to process educational queries, and managed AWS S3 bucket for efficient data storage and retrieval, serving over 1M users which contributed to 12% increase in user growth.
- 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 and applying decision trees with Python, SQL achieving 83% accuracy.
- Integrated Hate-Speech API that improved content moderation by 90% and saved over 200 hours
- Streamlined project timelines & resource utilization in Agile, Git-based environment, enhancing development lifecycle.

Data Glacier

Data Science Intern

New York, NY

June 2022 – Aug 2022

- Developed semantic text-ranking search engine, reducing average query time by 42% and streamlining search processes.
- Designed ETL pipelines via Airflow 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 Lambda, S3 achieving 23% 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 a 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, Spark, Kafka, TensorFlow, Pandas, NumPy, Keras, Scikit-learn, SciPy, HTML/CSS, ReactJS

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

Cloud & Other Tools: Amazon Web Services, Terraform, Docker, Airflow, Mixpanel, Git, Linux, Tableau

PROJECTS

Cloud Computing - Roommate Matching Application (AWS, ML)

- Developed ML-based roommate-matching application on AWS SageMaker, training K-means model on OkCupid dataset.
- Utilized AWS Cognito for user authentication and authorization, AWS Lambda functions to handle user registration, search functionality and connection health, DynamoDB for storing user data and AWS S3 to deploy the application.

Decision Modeling - Portfolio Optimization (MS Excel, Tableau)

- Revamped deterministic model using 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.

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.