DISHA LAMBA

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WORK EXPERIENCE

Mindgrasp   **Columbia, MD**
Data Scientist   Jan 2024 – April 2024
- Implemented AWS Lambda scripts in Python leveraging NLP to answer educational queries, managed AWS S3 bucket for storing and retrieving data for 1M users, contributing to 12% user growth and engagement.
- 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   **New York, NY**
Machine Learning Engineer   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.

Data Glacier   **New York, NY**
Data Science Intern   June 2022 – Aug 2022
- Developed semantic text-ranking search engine, reducing average query time by 42% 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 23% improvement in data access and cost reduction.

Sapio Analytics   **Mumbai, India**
Machine Learning Engineer   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, Hadoop, Spark, Kafka, TensorFlow, 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, Snowflake, Git, Linux, Docker, Tableau, Mixpanel, MS Excel

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.

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.

EDUCATION

New York University   **New York, NY**
Master of Science in Computer Engineering   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   **Delhi, India**
Bachelor of Technology in Information Technology   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.