

DISHA LAMBA

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EDUCATION

New York University, New York, NY

Sept 2021 - May 2023

MSc Computer Engineering

GPA: 3.5

Coursework: Machine Learning, Deep Learning, Big Data, Decision Models and Analytics, Network Security

Bharati Vidyapeeth's College of Engineering, New Delhi, IN

Aug 2016 - Sept 2020

Bachelor's of Technology Information Technology

GPA: 3.4

Coursework: Data Structures and Algorithm, Operating System, Compiler Design, Software Engineering, Web Development

TECHNICAL SKILLS

Languages

Python, R, C/C++, JavaScript, GIT, Linux, HTML/CSS

Packages and Libraries

PySpark, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, PyTorch, TensorFlow, NLTK

Tools & Frameworks

Flask, React.js, Ruby on Rails, MS Excel, AWS, Kanban, SQL, Apache Kafka, MongoDB

PROFESSIONAL EXPERIENCE

New York University

New York, NY

Course Assistant

Sept 2022 - May 2023

- Designated as Graduate Teaching Assistant for the Deep Learning Fall'22 and Computer Networking Spring'23 courses.
- Assisted more than 100 students with lectures, assignment queries via weekly office hours, in addition, to grading assignments.

Data Glacier

New York, NY (Remote)

Data Science Intern

June 2022 - Aug 2022

- Developed a search engine that ranks unstructured text documents based on semantic & contextual relationships to user prompts.
- Proposed and built an ensemble of BERT and TF-IDF, capturing **80% of escalations** and achieving a **MAP score of 80.3%**.

Sapio Analytics

Maharashtra, IN (Remote)

Software Engineer - Machine Learning

July 2020 - June 2021

- Spearheaded development of a job-search web app for the **Govt. of India**, resulting in **1.2M blue-collar jobs** to Indian laborers.
- Designed & developed a job-search platform **using TensorFlow** that utilized KNN algorithm; **Generated a 50%+ increase in job placements**; Incorporated model with **ElasticSearch** to enhance job matching accuracy, resulting in **85% accuracy rate**.
- Developed robust API services with **Flask**; collaborated closely with SDE team to seamlessly integrate ML model with **React**.

inDDDev

Haryana, IN

Software Developer Intern

June 2019 - Aug 2019

- Designed and implemented the frontend & backend architecture of a Content Management System(CMS) using **Ruby on Rails**.
- Implemented version-controlled environment in CMS; allows the admin to safeguard any changes and roll back when necessary.

PROJECTS

Finance Portfolio Management System (Flask, SQL)

Sept 2022 - Dec 2022

- Developed a comprehensive financial portfolio management system using Flask, allowing users to track and analyze their financial activities in a secure and user-friendly manner including features such as expense tracking, budgeting, and goal setting.
- Integrated third-party APIs to fetch real-time financial data, enabling users to view account balances, transaction histories, etc.

Movie Recommendation System (Python, PySpark)

Jan 2022 - May 2022

- Implemented collaborative filtering movie recommendation model using Spark's ALS algorithm to suggest top 10 movies based on genres. Conducted a comparative analysis of the baseline model's performance with Python libraries LightFM and Annoy
- Achieved superior results using LightFM over ALS method, with an **MSE score of 0.77** and computational **time of 95.12 sec**.

[Plasma Desk](#) web app (ExpressJs, HTML/CSS, Firebase, AWS - ElasticSearch, Heroku)

Aug 2020

- Created JS web app, driven by doctors, that connects an eligible plasma donor with a Covid patient, based on compatibility.
- Received **Best Medical Hack** and **Wolfram Award for Top 30 Hacks** in the [MHacks 13 Beta Hackathon 2020](#) for the project.

PUBLICATION

- Designed an integrated system for Occupational Category Classification based on Resume and Job Matching that achieved an **accuracy of 83.5%**, published in [International Conference on Innovative Computing & Communication](#), May 2020.

LEADERSHIP & ACHIEVEMENTS

- **Vice President** at NYU Machine Learning Club Jan 2023
- **3rd position** in CSAW 2021 Cybersecurity Games & Conference - Hack3D Nov 2021