

DISHA LAMBA

New York, USA

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SKILLS

Languages: JavaScript, R, Python, C/C++, HTML/CSS

Tools and Frameworks: Ruby on Rails, Node.js, React.js, PyTorch, TensorFlow, RStudio

Databases: MySQL, PostgreSQL, DynamoDB, Hadoop, Spark

PROFESSIONAL EXPERIENCE

Sapio Analytics | Software Developer Intern | Maharashtra, India (Remote) July 2020 - Jan 2021

- Developed a **job portal using ReactJs** that maps the skill set of migrant laborers with those of the industry requirements across all states of India. The project aimed to provide **1 million blue-collar jobs to Indian laborers** during the time of COVID.
- Extracted specific data from both Industry-labor demand-supply surveys and analyzed them using **D3.js** to understand state-wise industry demand and availability of labor by matching them and thus providing jobs to the laborers.
- The web application is currently being used by **Govt. of India** under the Ministry of Science and Technology. (sakshamtifac.org)

inDDev | Software Developer Intern | Haryana, India June 2019 - July 2019

- Designed and implemented** the frontend and backend architecture of a **Content Management System** using **Ruby on Rails**. The admin can generate and modify dynamic web pages with minimal effort.
- Implemented a **version-controlled environment** that allows admins to safeguard any changes and roll back when necessary.

PUBLICATIONS

An Integrated System for Occupational Category Classification based on Resume and Job Matching (paper)

ICDAM - International Conference of Data Analytics & Management, Springer, June 2020

- Proposed a model that will extract vital information using **Natural Language Processing** and will calculate each individual's resume score and best occupational career path. The algorithm achieved an accuracy of **83%** in the general category.

PROJECTS

Image Colorization - A Comparative Study

- Studied and replicated 3 models - ChromaGAN, DeOldify, Instance-Aware Image Colorization and analyzed each model's strengths and weaknesses by testing each model on various test samples.
- Out of all test samples, **Instance-Aware performed 75%** better than the other 2 two GAN-based models.

Stock Market Analysis with Python, Machine Learning

- Built Rest APIs to fetch 50 years of stock data and analyze the API response by applying **Bollinger band, KNN, and Logistic Regression**. The algorithm predicts whether to buy or sell a stock on a given day.
- The algorithm decreased the chances of incurring a loss per day by **37.2%**.

Plasma Desk with ExpressJs, NodeJs

- A web platform, driven by doctors, that **connects an eligible plasma donor with a COVID'19 patient**, based on compatibility. The details of the plasma donor are stored on the platform after clinical trials have been successful.
- The web portal was developed with Firebase as its backend and served using ExpressJs.
- The project won the **Best Medical Hack** and **Wolfram Award for Top 30 hacks** in MHacks 13 Beta Hackathon 2020.

EDUCATION

New York University | New York, USA

Sept 2021 - May 2023

MSc Computer Engineering

GPA: 3.5

Relevant courses: Machine learning, Deep learning, Big data

Bharati Vidyapeeth's College of Engineering | Delhi, India

Aug 2016 - Sept 2020

Btech Information Technology

GPA: 3.3

ACHIEVEMENTS

- 3rd position in CSAW'21** Cyber Security Games & Conference Hack3d competition. Nov 2021
- Top 100/2000 Hacks in Facebook Messaging Hackathon 2020.** Aug 2020