AYUSH DAKSH

IIT Kharagpur, West Bengal (721302)

- +91-9045411951
- ayushdaksh9@gmail.com
- in ayushdaksh
- frozentoad9
- New Delhi, India

EDUCATION

Integrated MSc in Mathematics and Computing   Jul '19 - Present

IIT Kharagpur   Kharagpur, West Bengal

*GPA : 9.0/10 (ongoing) * currently a sophomore*

* Recipient of **DST Inspire Scholarship** (offered by MHRD)

PROFESSIONAL EXPERIENCE

Summer Internship   Apr '21 - Present

National Digital Library, India (NDLI)   West Bengal, India

Creating an online education platform funded by MHRD India for students from all over the country where they can interact with the respective experts and get their questions answered

- Working as a back-end developer (CodeIgniter framework & Python) for integrating ML/AI (NLP) tasks to the system such as information retrieval.
- Created an Indexing engine in the back-end for effective searching in the system.

Data Science Intern   Feb '21 - May '21

MiBolsillo Financial Technologies   Washington, United States

The personal financial trainer for the micro and small entrepreneur to organize their finances and access financial services.

- Developed a credit scoring project to predict users' running balance based on credit card consumption history.
- Cleaned and analyzed $1+ billion transaction records to generate key features using python libraries.
- Created new features using the people's defaulted amount from their quarterly electricity bill consumption.
- Did sentiment analysis of the users' review of the Application for the improvement of the user experience.

KEY SKILLS

Data Analysis Machine Learning Data Visualization Deep Learning Predictive Modelling and Analytics

Time Series Analysis NLP Web Scraping APIs

RELEVANT COURSES

Linear Algebra Design and Analysis of Algorithm Probability and Statistics NLP

TECHNICAL SKILLS

- **Languages / Frameworks:** C/C++, python, HTML, CSS, Javascript, SQL, Bootstrap, PHP, Codeigniter, Flask
- **Packages:** Scikit-Learn, NumPy, SciPy, Plot.ly, Pandas, NLTK, BeautifulSoup, Matplotlib, Seaborn, StatsModels
- **Big Data Stack:** Hadoop, MapReduce, Hive, Linux (UBUNTU)
- **Statistics / ML:** Linear/Logistic Regression, SVM, Trees, Neighbors, Bagging/Boosting, ANN, RNN

PROJECTS

ScanUResume   Dec '20 - Jan '21

RestAPI

Created a RestAPI using Flask that can scan your Resume and approve if you are eligible for the job and improve it accordingly

Technology Stack: Python, Natural Language Processing, Machine Learning (Support Vector Machine), Flask

ChatME   Nov '20 - Dec '20

ChatBot

Created a chatbot that you can talk with about anything related to politics, life, and other topics

Technology Stack : Python, Natural Language Processing, LSTM (Deep Learning), Tkinter (GUI)

DS_Sal
Jun '20 - Jul '20

Data Scientist Salary Predictor

A tool created using Flask to negotiate your Data Science salary with your HR

- **Web-Scraped data from Glassdoor**
- **Visualization using matplotlib, seaborn**
- **Data Modelling**
- **Created a RestAPI using Flask**

Technology Stack **:** Python, Selenium, Random Forest, Flask

KGPAmica
Dec '19 - Jan '20

co-Recreator, Backend Developer

The popular study material sharing website (non-operational that year) was re-created with features like Personalized Dashboard, Performance analysis, and multiple different features

Technology Stack **:** HTML, CSS, Javascript, BootStrap, MySQL, PHP

AWARDS & RECOGNITION

- Cleared **JEE Advanced** 2019
- Selected in **Regional Mathematics Olympiad (RMO)** conducted by Kendriya Vidyalaya Sangathan (KVS)
- Presented Delhi Region in **National Children Science Congress** (GOI) thrice.
  Project:- Thermal Power Plants and their alternatives

ACTIVITIES & LEADERSHIP

- Volleyball Player under **National Sports Organization (NSO)** (2019-Present, IIT Kharagpur)
- Campus Affiliate in **KSHITIJ** (India's largest techno-management Fest, IIT Kharagpur)