Shataxi Dubey

Gender: Female
Linguistic Proficiency: English, Hindi
Date of Birth: 30/10/2000
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Education

Degree/ Examination	Year of Passing	School/ Institute	Board/ University	Percentage/ CGPA
M.Tech (Computer Science & Engineering)	Pursuing	Indian Institute of Technology Gandhinagar	Indian Institute of Technology Gandhinagar	9 CGPA
B.Tech (Computer Science & Engineering)	2022	J.K Institute of Applied Physics and Technology	University of Allahabad	89.58%

Work Experience

Associate Engineer   May-2022-June-2023
Indiamart Intermesh Ltd
Noida, Uttar Pradesh

- Worked on development of Application Programming Interface using Flask.

- Implemented concurrent execution of processes using threading.

- Developed models for generation of smart replies using TF-IDF and glove for word embedding and K Means algorithm and cosine similarity for clustering.

- Analyzed the data of user replies using complex SQL queries.

- Learned various Linux commands and understood the concepts of data lake, data mart and data warehouse.

- Created views for data analysis on multiple data marts.

Software Developer Intern   May-2021- July-2021
Rehabilitation Society of the Visually Impaired
Lucknow, Uttar Pradesh

- Developed the website for the organization using MERN stack.

- Enhanced the responsiveness of the website by enabling it on mobile platforms.

- Collaborated with team members on the GITHUB platform.

- Resolved bugs in the code.

- Learned software engineering process improvement and best practices.

Project Work

Image Caption Generator Mar-2022-April-2022

- Built a LSTM model for predicting the captions of the images.

- Used pretrained model Xception for feature extraction of images.

- Used tokenizer for vectorization of captions of images.

- Trained the model on a dataset of 800 images and captions.

- Measured the accuracy of the model using BLEU score.

- The BLEU score of the model is 0.36.

Diabetes Detection using Machine Learning Techniques Nov-2021-Dec-2021

- Performed data preprocessing and performed feature selection for minimum redundancy and maximum relevance.

- Used supervised machine learning algorithms Logistic Regression, SVM, KNN, Random Forest and XGBoost.

- Evaluated the performance of each classifier model on the dataset.

- Achieved accuracy of 82% with logistic regression when relevant features are selected.

- Achieved accuracy of 80% with Random Forest when all features are selected.

News Web App with Speech Synthesis Jan-2021-Feb-2021

- Built a web app for visually impaired and well-sighted users to help them in accessing daily news feeds.

- Equipped the web app with a database to help users organize the news feeds in a separate space according to user id.

- Monitored the screen time of users and sent alerts on exceeding the allotted time to resume work after some time.

- Incorporated the use of middlewares to send HTTP requests to web servers.

- Used Web Speech API for speech synthesis and passed data to the utterance queue of the speech controller of the device.

- Deployed server-side scripting on Heroku and frontend part on Firebase.

- Tools and technologies used-MongoDB,React,Express,Node,Heroku,Firebase.

Travelogue Web App   Jan-2021-Feb-2021

- Built a platform where users can share their traveling experience of various places.

- Worked by sending HTTP requests to the web server.

- Retrieved information related to user and place from the database.

- Performed CRUD operations on the database.

- Authenticated the user identity and the activities on the platform using a token.

- Avoided security breach by maintaining sessions.

- Hosted the frontend part on Firebase and deployed server-side scripting on Heroku.

- Tools and technologies used- MongoDB, React, Express, Node, Heroku, Firebase.

Areas of Interest

- Data Structures and Algorithms

- Computer Networks

- Database Management System

- Operating System

Technical Skills

- Programming Languages: SQL,C, JavaScript, Python

- Full Stack Web Development using MERN

- Development of Flask application

- Development of ML models for Natural Language Processing

Achievements

- Awarded Emerging Star of the Month at Indiamart InterMesh Ltd in September 2022.

- Completed online certification course on Machine Learning using Python in March 2022

- Awarded Star Intern of the Week Award in the software developer internship at Rehabilitation Society of the Visually Impaired in June 2021.

- Received excellent performance certificate in area of system training at IFFCO Phulpur in June 2021.

- Qualified Bronze Level of Teco Booster track of Code Predators organized by Ramarao Adik Institute of Technology and Mentor Buddy in June 2020.

- Completed Software Engineering Virtual Experience in JP Morgan Chase & Co. in June 2020.

- Completed online certification course on Full Stack Web Development using MERN stack in November 2020.