

Bhaswati Roy

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LeetCode

GeeksForGeeks

EDUCATION

- Institute of Engineering and Management** Kolkata, West Bengal, India
Bachelor of Technology - Computer Science and Engineering; GPA: 9.41 October 2020 - September 2024
Courses: Data Structures and Algorithms, Machine Learning, Operating Systems, Object Oriented Programming, Database Management Systems, High Level System Design

EXPERIENCE

- Machine Learning Intern** *Suvidha Foundation* July 2021-Aug 2021
 - ML Part:** Worked on analyzing the sentiments and detection of hate content in the customer feedback and review of various events organized by the company using Deep Neural Networks
 - Analysis Part:** Performed Data Cleaning, Data Preprocessing, and Data Visualization using Python libraries on 6 datasets of the company for various events to build an overall Data Analysis Report for the datasets.
- Software Developer Intern** *Cppsecrets.com* July 2021 - Sept 2021
 - ML Part:** Managed a team of 4 to build an Article Recommendation System by K Means Clustering and accomplished the Prediction Part of the Software Subsystem. Also performed exploratory data analysis of the data set provided

PROJECTS

- FlipAnalyse (Machine Learning, Data Analysis, NLP):** The application contains 3 different sections - Social Media Sentiment Analysis(to display the analysis of sentiments of top 100 posts from each of Twitter, Reddit, LinkedIn), Flipkart top Products (to display top 90 electronics products from Flipkart, Big Billion Days Analysis(to display the analysis of customer reviews and products sold during Big Billion Days) Tech: Python, Data Analysis (**Project Link**)
- Complete Text Analysis (Machine Learning, NLP):** Performs a total 5 Analysis of any text including - Spam or Ham Detection, Sentiment Analysis, Stress Detection, Hate And Offensive Content Detection, Sarcasm Detection by use of TF-IDF Vectorizer in NLP. The application is created using Streamlit Library in Python and deployed using Streamlit Share in cloud platform. Tech: Python, ML, NLP (**Project Link**)
- MedHelp HackHealth (Machine Learning):** Predicts whether a person is affected by 3 of the most common diseases or not including - Diabetes Prediction, Covid-19 Prediction, Heart Disease Prediction by use of Random Forest. It also contains a section where the user can get tips to follow if they are affected by any of the 3 diseases. Tech: Python, ML (**Project Link**)
- ManageIt (Flask, MySQL):** Can be used by any user to store personal employee details-name, email, department and update/delete as per requirements. The user can also store official notes related to workplace including salary and expenses to analyse cost and capital management and can also delete the notes later. Tech: Python, SQL (**Project Link**)

ACHIEVEMENTS

- Google Talentsprint Women Engineering Scholar 2021 - March 2021
- Adobe Analytics Challenge - Analysed Hilton dataset using Adobe Customer Journey Analytics to improve business.
- Google Code Jam to I/O 2022 - 1813 Global Rank out of 9000+ Participants - March 2022
- LinkedIn CoachIn Site Reliability Engineering Mentee 2022 - April 2022
- Flipkart GRiD 2022 Semi Finalist - July 2022
- Google Kickstart 2022 - 4162 Global Rank out of 15000+ Participants - May 2022
- WEAmplify Scholar 2022 for Harvard University WECODE Conference - Feb 2022
- Azure Women Hackathon Finalist - Top 50 Teams - June 2021

OPEN SOURCE CONTRIBUTIONS

- GirlScript Winter Of Contributing 2021:** Audio and Documentation Contributions (10 PRs Merged) Rank 4 in Python
- Hacktoberfest 2021:** Codes On building ML Models, Datastructures (5 PRs Merged)
- Script Winter Of Code 2021:** Complete ML Documentations of a website, NLP Projects. (16 PRs Merged) Rank 7 Allover

SKILLS

- Languages:** Python, C++, SQL
- Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, Plotly, Scikit-Learn, NLTK, Gensim, Streamlit, Flask, MySQL
- Tools and Technologies:** Machine Learning, Data Analysis, Natural Language Processing, GitHub, Linux

POSITION OF RESPONSIBILITY

- Lead** Microsoft Student Community
Being a Beta MLSA I have organized 3 offline events impacting 200+ Students. September 2021 - Present