VISHWARAJ TYAGI

📞 +91-8604518617

✉ 20cs3069@rgipt.ac.in 🔗 linkedin.com/in/Vishwaraj Tyagi

Education

Rajiv Gandhi Institute of Petroleum Technology,Amethi   **Dec 2020 - Present**
Institute of national importance and along the line of IIT'S (B.TECH in Computer Science Engineering)   *CGPA:7.13*

Delhi Public School, Kanpur   **Jul 2016 - May 2017**
Higher Education(CBSE)   *9.6 CGPA*

Mantora Public School, Kanpur   **Jul 2018 - May 2019**
Higher Secondary Education(CBSE)   *81.7*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Computer Architecture
- Artificial Intelligence
- Operating System
- DBMS
- Theory Of Computation

Projects

Whatsapp Chat Analysis | *Numpy, Pandas, Matplotlib, Streamlit, Seaborn, Urlextract, Wordcloud*   **Jan 2023- Jan 2023**
- Detailed Anaysis of chat between two individuals or in a group is done and then whole analysis is converted into a website.

One stop solution for household needs | *Html, CSS, Javascript, Flask, MySQL, API*   **Sept 2022 - Oct 2022**
- Built the user-friendly and interactive front-end of the interlinked website which includes the home page, different category pages and the login page and designed a talkative chatbot to increase the user-friendliness of the website..

Log Parser | *NLP, Fasttext, Drain3*   **Dec 2022 - ongoing**
- Building a machine learning model to automatically detect system anomalies based on log data and solve the log based anomaly detection problem with high detection accuracy.

Automatic Image Captioning | *Python, Keras, Tensorflow, NLTK*   **Ongoing**
- Automatically generating the textual description from an artificial system by studying different types of network architectures like RNN, CNN, RESNET and Inception, etc. to improve the accuracy of the system. Currently, working to generate a new network layer for the captioning system.

Sanity Test | *NLP, One Hot Encoding, Bag of Words*   **Dec 2022- Jan 2023**
- Building a classification model to predict if a sanity test case will fail on the platform for a given combination of attributes when a particular file is changed. Model is enhanced to identify the scenarios which have a very low probability of failure for the change in a particular set of files.

Achievements

JEE Advanced 2020 : Qualified JEE Advanced-2020 (Top 1.5 percentile) among 1.2 million candidates.
Convolve : Secured 18th rank in Convolve Epoch 1 conducted on Kaggle by Cisco
IIMB-YLS 2022 : Selected as a delegate

Skills, Languages & Interests

Techincal Skills: Python, SQL, C, C++, HTML, CSS, JavaScript, Linux.
Technologies/Tools: MS Excel (VBA), Power BI, Google Sheets, Git and Github, VS Code.
Others: Data Analytics, Machine Learning and basics of Deep Learning
Languages: English(*Professional*), Hindi(*Native*)
Interests: Cricket, Badminton, Movies
Certifications: Google Data Analytics Professional (*Coursera*), Machine Learning Specialization (*Coursera*)

Extra Curriculars

Poem Writing, Debate, Story Writing(*Secured 4th rank in district level*)

Position Of Responsibility

Coordinator: E-CELL,RGIPT: Led a team of 180+ members to carry out different functionalities of the student body and helped many teams with unique startup ideas to shape their plans.

Centre Co-Head: Gyanarpan,RGIPT: Led a team of 200+ members and managed different centers of Gyanarpan RGIPT which is educating 1500+ students. (A social organization that aims to provide free education to the less fortunate).

Teaching Volunteer: Gyanarpan,RGIPT: Helping students to develop a strong base in chemistry and mentoring them in every step they take towards their future.