

ANURAG MISHRA

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EDUCATION:

- Master of Science , Artificial Intelligence** 2023-2025
Rochester Institute of Technology (NY,USA)
• GPA:4.0
- Bachelor of Technology, Computer Science and Engineering** 2019-2023
Sikkim Manipal Institute of Technology, SMU (India)
• Minor Specialization: Machine Learning and AI
• CGPA:8.47/10

SKILLS:

Languages Python, C/C++, R, JavaScript, Dart
Frameworks/Technologies TensorFlow, Transformers, SpaCy, Hadoop, OpenCV, Latex
Areas of Interest NLP, Machine Learning, Open-Source, Competitive Coding

WORK EXPERIENCE:

- 1. Graduate Student Assistant** Rochester, USA
Rochester Institute of Technology (RIT), National Technical Institute for the Deaf Oct,2023-Present
- Utilized advanced LaTeX skills to develop and structure educational modules tailored for deaf and hard of hearing students.
 - Worked with Professor James Fugate on a **groundbreaking emergency management education program for deaf students**.
 - Contributed to a significant project funded by a **\$1 million NSF grant** aimed at enhancing civic engagement and emergency preparedness within the deaf community.

- 2. Data Science Intern** New Delhi, India
CENTRE FOR RAILWAY INFORMATION SYSTEMS DESIGNS(CRIS) May,2022 -July,2022
- Researched upon the best way to optimise the Scheduling of Trains using Dijkstra's algorithm and A* Algorithms
 - Created a **Data dashboard** to help reduce the Delay timing and **increase efficiency of station managers by 12%**.

- 3. Natural Language Processing Intern** Remote
TEXTIFY.AI November,2021- February 2022
- Created the Level up function for the underlying algorithm that suggested the best synonym for the essay on the bases of your pre-existing information. This resulted in an **45% increase in speed of suggestion**.
 - Built the functionality of **Knowledge Graphs** for building the visualisation of the text entered by the user and used Named entity recognition(NER) to **enhance the functionality of the summarisation module**.
 - Worked with RoBERTa base Transformer Model for Dynamic summarisation of Text and college essays.

- 4. Machine Learning Intern** New Delhi, India
DEFENSE RESEARCH AND DEVELOPMENT ORGANIZATION(DRDO) June,2021 – August,2021
- Created and researched upon decision-making models using different Distribution functions and reviewed multiple research papers on the same.
 - Worked under DRDO scientist on Fuzzy Number Theory and It's application in AI and ML and wrote code for multiple distribution functions. Drafted three reports on the functionality of such functions in current ML applications.
 - Developed Models using **Gaussian Membership function and worked with Fuzzy set**.

PROJECT EXPERIENCE:

AI-MUSIC RECOMMENDATION SYSTEM

- Done Under the Guidance of Professor Santanu Kumar Misra of Sikkim Manipal Institute of Technology.
- Analyse the user mood based on a Questionnaire and Provides Music Recommendations accordingly that suits the current mood of the user rather than the past listening history.
- Kaggle Data Set for Training Model for Recommendation and uses Leaner regression to eliminate songs from the data set.

SHORT ANSWER GRADING USING NLP

- Building a LSTM model , that grades the short-answers written by students in Exam.
- Created and Deployed LSTM model to improve the accuracy of the scores and enhance the 5 fold validation score.
- Research Paper on the same : <https://ieeexplore.ieee.org/document/10263899>

CERTIFICATIONS:

- Python for Data Science and AI IBM,2020
- R Programming The Johns Hopkins University
- Machine Learning for Everyone DataCamp

ACHIEVEMENTS:

- Selected fort Prime Minister Scholarships for Engineering. 2019-2023
- Selected for The Macquarie Group Scholarship from edX! 2021
- Secured Silver Elite Rank in NPTEL , Data Science Course. 2021
- Won the Machine learning App Hackathon at College.

POSITION OF RESPONSIBILITIES:

- Executive Lead , Reverbs 2020-2022
 - Mentored 50+ Students on Parliamentary and Other Form of Debating.
- AI and ML Lead , Google Developers Club 2021-2023
 - Mentored 100+ Students on Staring With Machine Learning.