

Anurag Mallick

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EDUCATION

- B.E in Electrical and Electronics Engineering** Aug 2017 - June 2021
• Birla Institute of Technology and Science, Pilani
Cumulative GPA : 7.52/10
Pilani, India
- Senior Secondary School Examination** May 2017
• DAV Public School
Percentage : 93.2%
Bhubaneswar, India

RESEARCH EXPERIENCE

- Undergraduate Researcher, Study Project** Jan 2021 - May 2021
• Birla Institute of Technology and Science, Pilani
Title: Brain Disorder Diagnosis Using Deep Learning
 - Using U-Net Encoder Decoder Architecture, trained model to reconstruct under-sampled MRI images to fully-sampled images.
 - Examined the outcomes and defined scope for the subsequent steps in the project.
- Undergraduate Researcher, Independent Project** Jan 2021 - May 2021
• Birla Institute of Technology and Science, Pilani
Title: Real-Time Tweet Classification
 - Implemented the foundation for hierarchical classification of tweets on the basis of their Non-Profit status.
 - Worked on pre-processing of raw tweets and created dataset pipeline for the project.
 - Used BERTweet in Transformer Architecture to build L1 and L2 level of the hierarchy.

WORK EXPERIENCE

- Data Scientist** Sep 2021 - Present
• Applied Data Finance
Chennai, India
 - As part of collection strategies, built a model to predict the best time to call the delinquent customers and setup its deployment and monitoring pipeline.
 - On the basis of data from third party data provider, developed model to predict the success rate of payment retries using customer and repayment attributes.
 - Using NLP Techniques, built models to process customer conversations and identify operational risks.
 - Built Topic Models using BERTopic to segment customer requests, subsequently helping in better management of resources.
 - Using deep dive analysis of returning customers, designed action plans for reducing disbursal defects according to compliance rules.

COURSEWORK

- Computer Programming, Probability & Statistics, Linear Algebra, Optimization, Calculus, Data Mining
- Deep Learning Specialization - Coursera

SKILLS

- ML Algorithms: Logistic Regression, Linear Regression, Decision Trees
- Natural Language Processing and Frameworks - Spacy, NLTK
- Data Analysis and Statistical Analysis
- Data Structures and Algorithm, Object-Oriented Programming
- Tools and Languages : Python, C++, MySQL

AWARDS

- **ADF Promising Debut — Applied Data Finance** June 2022
Awarded promising debut for displaying ownership and excellent skills in first project
- **ADF Data Science Hackathon — Applied Data Finance** Apr 2022
Awarded 2nd prize in company-wide hackathon with objective to improve the performance of Risk Model.

POSITION OF RESPONSIBILITY

- **Powertrain Head at Team BITS - Shell Eco Marathon** May 2019 - May 2020
Supervised a team of 15 members for developing fuel-efficient vehicle using ethanol. Pilani, India

COMMUNITY EXPERIENCE

- **Volunteer at Nirmaan Organization** Jan 2018 - May 2020
Worked towards promoting primary education of lesser privileged children. Pilani, India