

SUMIT KUMAR

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EDUCATION

Indian Institute of Technology Delhi

Textile Technology

July 2019 – Present

CGPA: 6.6/10.00

Red Rose Public School

Class XII Central Board of Secondary Education

April 2017 - March 2018

74%

Takshashila Vidyapith, Deoghar

Class X Central Board of Secondary Education

April 2015 - March 2016

CGPA: 9.80/10.00

SCHOLASTIC ACHIEVEMENTS

- **Six Sigma Certification:** Given by Aveta Business Institute for Finance's proficiency and excellence in the curriculum (2022)
- **Certification:** : Awarded by **KPMG** International Ltd. for excellence in Data Quality Assessment and Data Insights (2022)
- **JEE Advanced:** Secured position in Top **99 percentile** amongst 1.3 million applicants in JEE Advanced exam, GoI (2019)

EXPERIENCE

MockBoard EduTech Pvt Ltd

Delhi, India

Product Manager Intern — User Journey Enhancement

June 2022 - July 2022

- Designed the **feedback mechanism** for users, oversaw the creation of website and focused on improving the **user interface**
- Assisted both the **primary and secondary** research associated with consumers(board students) and developed a customized solutions to support the **critical business functions** and also improved user journey and conducted **comparative analysis**
- Analysed **Behavioral UX** KPIs such as user **error rate**, **conversion rate**, etc. along with **Attitudinal UX** KPIs such as **CSAT**(Customer Satisfaction), **SUS**(System Usability Scale), **NPS**(Net Promoter Score), etc. to improve the user experience

PROJECTS

Analytical Study of COVID Fake News

Prof. Arpan Kumar Kar

Research Project

Jul 2021-Sep 2021

- Congregated and preprocessing of the fake and real news dataset using **nltk** library including **lemmatization and stemming**
- Implemented **Latent Dirichlet Allocation** for Topic Modelling to obtain topics and visualized using **Clustered Dendrogram**
- Analytical Study of the fake and real news affected consumer product's reach using **Tableau**, to study the difference in impact

University Database System

Prof. Maya Ramnath

Course Project — Database Management Systems

Feb 2022 - Mar 2022

- Developed an end-to-end website using **Flask** and implemented search and filter features through **PostgresSQL** for databases

Social Media Trend Analysis of Shark Tank

Prof. Biswajita Parida

Course Project — Marketing Management

Feb 2022 - April 2022

- Visualized the influence of Shark Tank India on public perception of the growing **Start-Up Culture** in India on social media

Tensorflow Speech Recognition

Google Brain Challenge

Kaggle Project — Machine Learning

Nov 2022

- Designed a **Deep Learning Network** to correctly identify one of the ten words being spoken in a one-second large audio file

- Achieved an accuracy of **88** percent with **CNN-RNN** model having **CovNet**(non-time dimensions) and **RNN**(sequential data)

The Winton Stock Market Challenge

Winton Research Challenge

Kaggle Project — Machine Learning

Dec 2021

- Developed a **ML model** which predicts the daily and intra day returns on the challenge data through **exhaustive analysis**

- Performed descriptive analysis and visualization of the **Linear Time-Series** data leveraging **Fourier transformation** and utilized **Python-sklearn** library to perform the data pre-processing and used **Correlation Matrix** for the feature selection

- Implemented **XGboost**, **RBF kernel SVR**, **Extra Trees Regressor** with **k-fold** cross validation, Long Short-Term Memory type of **Recurrent Neural Network** with batch-norm layers and masking layers using **TensorFlow** to select the best model

- Achieved accuracy of **96** percent through the model of least mean-square error through **LSTM** with masking layer architecture

TECHNICAL SKILLS

Programming Languages: Python, SQL, MATLAB, HTML • **Tools & Softwares:** Autodesk Inventor, Tableau, NumPy, Pandas, Matplotlib, Seaborn, PyTorch, MS Office • **Relevant Course works:** Data Structures & Algorithms, Probability & Stochastics, Linear Algebra, Machine Learning

POSITION OF RESPONSIBILITIES

House Working Committee Member

Board of Hostel Management, IIT Delhi

Responsible for Welfare of Girnar Hostel

April 2020 - April 2021

- Framed policies and organised continuous meetings for efficient **management & maintenance** of hostel services & products

Student Mentor

Board for Student Welfare, IIT Delhi

Mentoring Fresher students

December 2021 - Present

- Mentoring 5 fresher students over the course of semester for their smooth transitioning to campus life and organising activities