ARPIT AGRAWAL (Linkedin)

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Major in Architecture and Regional Planning (Bachelors)
Minor in Mathematics and Computing (M.Sc. 5Y)
Micro Specialization in Artificial Intelligence

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	Bachelors	Indian Institute of Technology (IIT), Kharagpur	8.06/10.00
2019	Class XII, CBSE	Depaul School, Vindhyanagar (MP)	86.00%
2017	Class X, CBSE	DAV Secondary School Waidhan (MP)	8.00/10.00

INTERNSHIP

Data Science and AI Intern | Awfis, Delhi   Dec '23 - Present
AI Based projects (Skills: Python, ML, NLP, Transformers, LLM)
- Worked on multiple projects over the span of 3 months which includes **CRM, Revenue Prediction, Sentimental Analysis, Gen AI**, etc
- Pre-processed & performed EDA on various textual & numerical datasets using **Pandas, Matplotlib, Seabron, NLTK** and other libraries
- Used **Transformers, Machine Learning, LLM models, Django** and, created & deployed **API** of the model into real work applications

Data Science/Analytics Intern | IIM Ahmedabad   Dec '22 - Mar '23
Gender & Racial Bias in Information Systems Research community (Skills: Python, SQL, Beautifulsoup, NLP, ML)
- Extracted the dataset of 15000+ publicly available research articles from MSI using **BeautifulSoup** followed by data cleaning & EDA
- Performed descriptive statistics, conducted p-value analysis using **6 different regression models**, and incorporated moderation effects
- Performed statistical modelling in **Excel and STATA** to analyze the influence of authors' gender and the race on article citation count

COMPETITION/CONFERENCE

Data Analytics - General Championship | IIT Kharagpur, India   Mar '23
To predict the State Classification from time-varying sensor data from the given dataset
- Performed Exploratory Data Analysis (EDA) on a complex dataset consisting of multiple variables data collected from a dataset
- Explored and Discovered a **Noteworthy cross-sensor correlation** within the dataset, and by employing advanced techniques, successfully identified **time-varying clusters,** shedding light on the sporadic nature of the data distribution from the dataset

Data Science Hackathon 2022 | KDSH | IIT Kharagpur, India   Dec '22
To build a model predicting the best promotional channel for 10,000 doctor to enhance the future week Revenue
- Filtered & merged the two given datasets by doing Exploratory Data Analysis (EDA) & made the dataset convenient for training
- Implemented various Machine Learning and Deep Learning models such as **Random Forest, SVM Regressor, Linear Regression**
- Ranked mongst **Top 10** shortlisted teams of 3 stages with a team of two members, out of **3000+ registrations** for the hackathon

PROJECT

Chat BOT Using NLP | Self Project   Mar '23
Objective: To build a Chat Bot which replies to queries related to the document given
- Dealt with 10+ Library such as **Numpy, Pandas, NLTK, Spacy, and String**, assigned the document to variable & did preprocessing
- Worked on diff. **modules and classes of NLTK** & assigned two variables to the word tokens & sentence tokens of the document
- Constructed the Algorithm which takes information from these two variables & and replies to the queries based on the info. fed

Real Estate Price Prediction Project | Self Project   Nov '22
Objective: To build a model for automatically predicting the Home Prices in Bangalore
- Done Exploratory Data Analysis, **Feature Engineering**, Dimension Reduction, Outlier Removal Using Business Logic (Using SD)
- Experimented Linear Regression & K-Fold cross-validation to measure accuracy & found the best model using **GridSearchCV**
- Achieved best results with Linear-Regression Model & got the best score obtaining an aggregate of **88% Accuracy in Prediction**

POSITION OF RESPONSIBILITY

Undergraduate Department Representative | UG Council | IIT Kharagpur   Sep '22-Sep '23
- Selected as the UG Department Representative: Co-ordinating students with the faculties and other higher Department officials
- Designed Undergraduate Council Website, connecting with IIT Kharagpur website provides better exploration of college

Sub-Head | Design Team | Kshitij-2022 (Techno Fest) | IIT Kharagpur   Jul '21-Apr '22
- Co-led a two-tier **team of more than 15 members** for designing of the **Kshitij-2022 website**, generated **over 2,00,000 views**
- Organised events such as Case Study, Hackathon cooperation with technical team and got participation of 600+ students

SKILLS AND EXPERTISE

Programming : Python | Django | MySQL | Pandas | Numpy | Matplotlib | Seaborn | Scikit-learn | Oracle | DSA | Tableau | Jupyter
Designing : Adobe Photoshop | Adobe Illustrator | Adobe Premier Pro | Sketchup | Autocad | Revit | Enscape | Lumion | Vray

COURSEWORK INFORMATION

IIT Kharagpur Courses : Statistical Foundation of Artificial Intelligence and Application | Artificial Intelligence Foundation and Application | Machine Learning Foundation and Application | Data Analysis | Linear Algebra | Real Estate Valuation
MOOCs : Machine Learning by Andrew NG (Coursera) | Deep Learning by Andrew NG (Coursera) | Natural Laguage Processing | Applied Data Science (Coursera) | Probability and Statistics | Programming for Everybody (Coursera) | Finance Analysis (Zerodha)