Ravi Tiwari.

MTech | Industrial and Management Engineering | IIT Kanpur

ACADEMIC YEAR			
	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE
2021 - 2023	Industrial & Management Engineering	Indian Institute of Technology Kanpur	7.7 CPI
2015-2019	BTech Textile Chemistry	RTU, Kota	7.045 CGPA
2015	12 th Rajasthan Board	MBVB Sr. Sec. School Kota	71.00%
2012	10 th Rajasthan Board	Govt. Sr. Sec. School Akola	56.83 %
WORK FX	PERIENCE		
	ager Digital Darpan		(Fab'20 -April'21)
	ocial media political campaigns to achieve 15+ million of	arganic reaches by leading and distributing work amon	
	ct manager , managed social media accounts and analyz		
Managed	SEO projects, did keyword research, improved SERP r	ankings by website speed optimization and on Page SI	EO.
Textile Gradu	ate Trainee BMD Pvt. Ltd		(Jun'19 - Dec'19)
 Worked as 	TGT (Textile Graduate Trainee) in Statistical Quality	Control department.	
INTERNSI	HIPS		
Neural Intera	ctive Collaborative Filtering (Reinforcement Learni	ing) Mphasis, Next Labs	(June'22 -July'22)
Objective	• To build an interactive recommendation system using	g reinforcement learning that could resolve cold start re	commendations problem
Approach	• Defined the agent behaviour and created a custom e	ata using file handling and ordinal encoding of produc nvironment with a reward function (Reward(r)=1 for ion by training the agent with a Sequential neural net	item rating r>=4 else 0).
Result		problem and used customized precision to measure to	
Development	of ML Model to predict weave time & extracting bu		(Dec'21 - Jan'22)
Objective	 Development of a machine learning model to predict 	the weave and lead time of carpet to get business insig	
Approach	 Extracted data from the database, and performed data cleaning, preprocessing, and exploratory data analysis on the raw data. Used StatsModels library for descriptive analysis with the linear regression model, built machine learning model with Scikit-learn. Used different machine learning models such as Linear Regression, Decision Tree Regressor, and Random Forest Regressor. Implemented Gradient Bosting and Bagging techniques, used RandomSearchCV and GridCV for hyperparameter tuning. 		
Result	• Obtained $\mathbf{R}^2 = 0.468$ using Linear regression model a		-
PROJECT	S		
	A Modelling Supervisor: Prof. Faiz Hamid, IME, IIT	K	(April'22 -Aug'22)
	• Development of predictive models to forecast the Es		
Objective		plications Section (RAS) Problem Solving Competitio	
Objective Approach	 Operations Research and the Management Science Pre-processed and visualized the route dataset of di Formed attributes "Distance" using GPS data and "Compared attributes and "Compared attributes and "Compared attributes" 	plications Section (RAS) Problem Solving Competitiones (INFORMS), USA fferent lanes using EDA techniques in Seaborn, matpl Cumulative Travel Time" & "Cumulative Dwell Time" or, SVM, Random Forest Regressor to predict ETA a	or 2021, under Institute for otlib and Pandas. using sighting time.
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