

SAURABH RAJKUMAR CHAUDHARY



ACADEMIC QUALIFICATIONS

Year	Degree/Board	University/Institution	%/CGPA
2025*	Post Graduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2020	B.Tech Computer Science and Engineering	SGGSIE&T Nanded	79 %
2015	CLASS XII	Progressive Science Jr College Gondia	73.38 %
2013	CLASS X	Progressive English Highschool Gondia	92.55 %

KEY SKILLS/TOOLS Regression Models, Classification, NLP, Python, SQL, Statistical Inference, Tableau, PySpark, Forecasting

WORK EXPERIENCE (35 Months)

Raja Software Labs (RSL), Pune		SENIOR SOFTWARE ENGINEER	PUNE (Aug '20 - Jul '23)
Responsibilities & Technical Deliverables	<ul style="list-style-type: none">Responsible for coding, development & maintenance of LinkedIn iOS app with 263M+ monthly active usersImplemented 15+ critical features, fixed 412+ priority bugs, improved UI ↑ing MAU by 22% following AgileWrote & fixed 200+ complex unit, scenario, layout tests using XC framework & resolved CI/CD pipeline issueAdded tracking events to track user activities; stored failed events in SQLite & resent them utilizing queries		
Key Achievements	<ul style="list-style-type: none">Drove 30% surge in job searches by leading 10 module developments from start to launch, coding features - Job Update Card, Similar Job Screen, Job Search Page; revamping the Job Description Card and Job CardEnhanced app usability by 13% by implementing Job screen rotation, A/B testing, voiceovers, code migration		
Dashboarding & Automation	<ul style="list-style-type: none">Designed Tableau dashboard to automate Jira tracking across all teams, expediting client metrics meetingsUtilized Python scripts to automate mock data generation for tests, & running tests for all A/B testing cases		
Leadership & Business Impact	<ul style="list-style-type: none">Contributed in retaining client contract for 12qtr by excellent perf. resulting in a ~₹1.5Cr revenue ↑ for RSLManaged 2-member development team, overseeing Talent & Jobs track, and doubled the billable resources		
Initiatives	<ul style="list-style-type: none">Interviewed 26 applicant, created training vids for 38 intern, awarded PPO by RSL(8-mth intern DC'19-JL'20)		

AWARDS AND ACHIEVEMENTS

Achievements	<ul style="list-style-type: none">Ranked in top 20 percentile in a class of 130 in B.Tech CSE at SGGSIET(16-'20); Ranked 5th in 4th semesterSecured 99.30%ile in CAT '22 QA 99.31%ile in SNAP '23 out of 50K Ranked 3rd in the class of 115 in 10th
Certifications	<ul style="list-style-type: none">Winter School on Deep Learning(ISI Kolkata'24);2-month onsite Python & Java certification(Naresh IT,Hyd)
Case Competitions	<ul style="list-style-type: none">Ranked 1/586 in WSAC'23(BITS) for developing RAG app for Warehouse Stock Mgmt; Used NLQ & won 12kRanked 2nd/211 in Vidyut, BIMTECH (dashboarding) Ranked 10th/1994 in PM & Analytics compet. by IITB

ACADEMIC PROJECTS

Pre-owned car price prediction (Regression)	<ul style="list-style-type: none">Predicted price of pre-owned cars, performed EDA, plotted data to study the features and identify outliersUsed OHE, correlation analysis & box-cox transform Used VIF to check multicollinearity & feature selectionExplored linear models (MLR, RIDGE & LASSO), tree-based models (RF & XGB) & achieved R2 value - 0.88
Medical Insurance Claims (Classification)	<ul style="list-style-type: none">Classified client's medical insurance claims into 4 categories(very good, good, bad, very bad) with 1.3K+ dataPerformed feature encoding; handled imbalanced data using SMOTE; Applied LR, RF, GB & XGBoost modelHypertuned Gradient Boosting via GridSearchCV; Achieved .921 recall, .901 F1 & .985 AUC-ROC score
NEFT Volume Forecasting (Time Series)	<ul style="list-style-type: none">Forecasted the daily volume of the NEFT transactions for a 30-day horizon using 3 years of transaction dataConducted ADF test; Analysed dual-seasonality (MSTL), Residuals (Ljung-Box) and order with ACF & PACFModelled dual seasonality as an exogenous variable with SARIMAX & reduced RMSE by 32% over SARIMA
Financial News Sentiment Analysis (NLP)	<ul style="list-style-type: none">Proposed models to recognize the sentiment of 5000 annotated financial texts; performed EDA on the dataPerformed cleaning, tokenization, lemmatization & explored BiRNN, BiLSTM with word2vec embeddingsFinetuned BERT to achieve best overall accuracy of 86% (27% up) and weighted average F1 score of 0.86
Hybrid Movie Recommendation system	<ul style="list-style-type: none">Developed a hybrid movie RS integrating collaborative filtering with content-based graph on 34k moviesLeveraged pretrained Glove word embeddings and cosine similarity to link movies with similar storylinesImplemented collaborative filtering utilizing user-item interaction matrix factorization with SVD reduction

ADDITIONAL PROJECTS

Pneumonia detection (Computer Vision)	<ul style="list-style-type: none">Built CNN based classifier Model on 6K Chest X-ray images to classify into Normal and Pneumonia patientsExercised data augm., batch norm & early stopping; Fine-tuned VGG16 & ResNet50 model(max acc. - 83%)
Customer Segmentation	<ul style="list-style-type: none">Segmented 1M+ E-commerce customers utilizing Pyspark; performed RFM Analysis and outlier treatmentUsed Kmeans, Agglomerative, DBScan; identified clusters by elbow plot; got Silhouette score of .53(Kmeans)

POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS

Alumni Cell, PGDBA	<ul style="list-style-type: none">Organized 7 alumni connect sessions & workshop for 200+ participants Updated PGDBA alumni databaseConnected with alumni & compiled 50+ interview experiences, supporting batch in placement preparation
Event Mgmt.(POR)	<ul style="list-style-type: none">President, Sggs Blind-C Event(Led team of 7;110 football); Main-coordinator, Sggs Alum Meet'18(200+ alum)

ELECTIVES : Supply Chain, Econometric method, Big data, FRM

INTERESTS : Movies , Sudoku & Mentoring