

ACADEMIC QUALIFICATIONS

Year	Degree /Board	University /Institution	%/CGPA
2025*	Post Graduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2020	B.E. (Hons.) + M.Sc. (Hons.) Electronics & Instrumentation	BITS Pilani	7.24/10
2015	CLASS XII	Amity International School, Mayur Vihar	93.2 %
2013	CLASS X	Amity International School, Mayur Vihar	9.2/10

KEY SKILLS/TOOLS Statistical Data Analysis, Probability, Problem Solving, DSA, Agile, Python, SQL, C++, TypeScript

WORK EXPERIENCE (35 Months)

JIO Platforms LTD.		Software Development Engineer	Bengaluru (Aug '20 - Jul '23)
Roles & Responsibilities	<ul style="list-style-type: none"> Worked on E2E delivery: Requirement gathering, test driven development, deployment and documentation Built scalable applications in Agile Setup; Proficient in troubleshooting 100+ technical bugs across domains 		
Jio Subscription Engine	<ul style="list-style-type: none"> Developed REST APIs, scripts and asynchronous jobs via NodeJS, adding major functionality to application Spearheaded creation of JioCloud microservice, enabling it's free onboarding and premium subscription svc Contributed to a service that generated ~5 Crore monthly revenues and handled 400+ million subscriptions 		
Jio ChargeIt	<ul style="list-style-type: none"> Aided requirement refinement using customer perspective; Implemented scalable schema w/ PostgreSQL Created API suite for plan, addon and order management enabling smooth purchase of customized plans Jobs to create and send invoice on transactions; Leveraged Kubernetes and Azure Devops for deployment Assisted quick launch led to onboarding major streaming service as 1st client, few businesses aligned next 		
Recognition	<ul style="list-style-type: none"> Received spot award from the team in 2022; received maximum A* rating for 2 consecutive years in review 		
Leadership	<ul style="list-style-type: none"> Mentored 3 interns who joined Subscription Engine; Supervised a junior in ChargeIt product development 		

INTERNSHIPS (5 Months)

Happay (VA Tech Ventures Pvt Ltd)		Software Intern	Bengaluru (Jul '19 - Dec '19)
Vehicle Management (Fastag) Product	<ul style="list-style-type: none"> Created backend APIs, scripts and documentation with Python and Django; Resolved 10+ development bugs Developed features for vehicle data retrieval, transaction syncing and user-vehicle mapping key to product Contributed towards product resulted in ₹20Lac+ MRR @ Happay. Amongst 2 out of 7 Interns to receive PPO 		

AWARDS AND ACHIEVEMENTS

Data Science Competitions	<ul style="list-style-type: none"> National Finalist (Top 4/980) in Scytale 4.0, a social data analytics competition conducted by IIM Ranchi 23 National Finalist (Top 5/424) in μ-lytics, an attrition analytics competition hosted by Master's Union '23
Certifications	<ul style="list-style-type: none"> Completed Deep Learning Specialization-Andrew NG; Continuous Delivery w/ Azure Devops- LinkedIn

ACADEMIC PROJECTS

Credit Default Prediction (Classification)	<ul style="list-style-type: none"> Predicted the probability of customer loan default for 15 lakh+ applications with 400+ attributes in 32 files Performed data aggregation, SMOTE for class imbalance, feature engg; Trained LGBM and CatBoost models Created a weighted ensemble model using soft voting classifier; Achieved AUC score of 0.88 and recall 0.79
Employee Salary Prediction (Regression)	<ul style="list-style-type: none"> Predicted Employee Monthly salary for a firm, utilizing MLR models on a dataset with more than 30 features Checked multicollinearity with VIF, feature importance using t-tests, error analysis via QQ plot & KS Test Employed Lasso and Ridge; Improved adjusted R² value to 0.944 with backward feature selection model
Named Entity Recognition (NLP)	<ul style="list-style-type: none"> Given 6.8k essays, built a classification model for detecting PII, automating manual masking of personal data Generated POS tags using SpaCy; Tokenized via Bert Tokenizer; RegEx to identify phone nos., emails & urls Employed stacked & ensemble DeBERTa models to classify tokens; Improved F-5 score from 0.695 to 0.953
NG Consumption (Time Series)	<ul style="list-style-type: none"> Forecasted Natural Gas Consumption using past 23 years of monthly data in US that had 250+ observations Implemented SARIMA, Ljung-Box for residuals; Grid search via AIC & BIC for best model; MAPE \downarrow to 8.87%

ADDITIONAL PROJECTS

Health Insurance Segmentation	<ul style="list-style-type: none"> Analyzed medical cost data to identify high-risk groups; Employed Elbow method to find optimal clusters Applied KMeans, Agglomerative and DBScan ; Identified 5 segments & achieved a silhouette score of 0.362
Masked Image Completion (GenAI)	<ul style="list-style-type: none"> Developed a model for image completion on 7000+ images; Applied image augmentation to \uparrow count to 35k Applied preprocessing using rescaling & standardization; Used CGAN & Pix2Pix to \downarrow RMSE to 0.76 via CGAN
Stock Market Index Prediction(LSTM)	<ul style="list-style-type: none"> Used daily Nifty50 data(2009-21) to predict prices in 2021-24; Computed 10 market indicators as features Employed LSTMs; Achieved decrease in RMSE by 224 points (Range 14k-22k) with BI-LSTM and indicators

EXTRA CURRICULARS

Football	<ul style="list-style-type: none"> Captained PGDBA football team to silver in IIM Section War; took part in General Championship at IIT KGP
Casebook	<ul style="list-style-type: none"> Devised case solutions and KPIs for Banking & Automobile industry in 2nd version of PGDBA DS Casebook
Strategy Games	<ul style="list-style-type: none"> 1st runner up in IIM Cal Board Game Competition; Ranked ~Top 1 %ile of all FPL players(5.9mn+) in 2017

ELECTIVES : Comp Finance, FRM, ML, Econometrics, PRO

INTERESTS : Football, Formula 1, Finance