ANUJ

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 Engineering	Maharaja Agrasen Institute of Technology	7.63/10
2016	CLASS XII	St. Xavier's Sr. Sec. School	78.8 %
2014	CLASS X	St. Xavier's Sr. Sec. School	9.2/10

KEY SKILLS/TOOLS	Predictive Modeling, Data Visualization, Agile, Debugging, Python, SQL, C#(.NET 4.5), React.js, Excel, Java

WORK EXPERIENCE (30 Months)

Incedo Inc	Software Engineer	Gurgaon (Dec '20 - Jun '23)

Application Development & Maintenance	■ Developed **25+ features**, fixed **60+ bugs** , presented **10+ demos** on **20+** different **Rest API** end points ■ Accomplished **50%↓** in the bug instances through **refactoring** & **error-proofing** the legacy codebase ■ Created **10 optimized SQL templates**, **50% reduction** in **execution time** for routine database requests ■ Delivered more than **15 sprints** and **50 releases** working under US client using **Agile** methodology ■ Conducted thorough **code reviews** & maintained detailed **SOPs for workflows** & **failure scenarios**
Key Projects & Impact	■ **ASD:** New dashboard enhances **benefits** & **tracks revenue** for advisors, generating **over $10M revenue** ■ **WB**: Added **client display**, **proposal PDFs** on **Azure Blob** & advisor **fee updates**; ↑**60%** project efficiency ■ **PE:** Added new **PDF filters**, built **2 advisor APIs**, ↑ **50%** efficiency, ↓**AVL (2s)** by optimizing **portfolio SPs**
Leadership	■ Onboarded & mentored **3 interns**; trained them on .NET Core, EF Core, React JS & **debugging techniques**
Achievements	■ Consistently earned **client recognition** for **prompt responses** & effective **critical issues troubleshooting**

AWARDS AND ACHIEVEMENTS

Certifications	■ Earned **Microsoft Azure Fundamentals (AZ-900)** certification for foundational cloud knowledge
Data Science & Business Competitions	■ National finalist (**5th**) in **"µ-lytics"**, analytics case competition organized by MUSB[23] ■ National finalist (**6/940**) in **"IDB Analytics 3.0"**, analytics case competition organized by IIM Calcutta[23] ■ **National finalist** among **1000+** in "**Analytica**", data analysis case competition by ICAR-NAARM[23]

ACADEMIC PROJECTS

Transaction Amount Prediction (Regression)	■ Build **MLR**(using **OLS**, **Lasso**, **Ridge**) model to predict **total transaction amount** from **Credit Card** data ■ Performed **EDA**; **ANOVA** test; **Chi-Square** & **KS Test** for normality of errors | **PCA** for **multi-collinearity** ■ Analysed **residuals** using **QQ plot**; Achieved **R-squared** score of **0.985** and **RMSE** of **231**
Airline passengers forecasting (Time Series)	■ Conducted **time series** analysis on International **Airline Passengers** data of past **10-years** using **SARIMA** ■ Checked **stationarity** using **ADF** test, analysed **ACF-PACF** plots for **SARIMA** order, **Ljung-Box** for residuals ■ Monitored **AIC**, **BIC** for optimum model selection; Achieved **MAPE** score of **0.53** by optimal **SARIMA** model
Polycystic ovary syndrome (Classification)	■ Performed **PCOS** early detection using **40** features dataset to prevent infertility in reproductive women ■ Applied **SMOTE** for class imbalance, selected the most important features & used **LR**, **SVM**, **DT**, **RF** models ■ Achieved best **recall** score of ~**92%** (improved by **13.6**%) after applying **Stacked Ensemble** Method
Retail Products Detection (Computer Vision)	■ Utilized annotated **RPC 50K+ images** dataset in **Yolov5** format for retail item detection and classification ■ Leveraged **transfer learning** on **Yolov5** (single-shot object detection) & performed **annotation** of objects ■ Detected & classified items using bounding box coordinates, achieving a **Mean Average Precision** ~ **0.673**.

ADDITIONAL PROJECTS

Bank Customer Segmentation	■ Analysed **1M+** bank customer dataset, implementing **FE** and **RFM** analysis to identify customer segments ■ Executed **K-Means** & **GMM** using **Pyspark**; achieved **silhouette** score of **0.60**; identified **5** customer profile
Business Recommender System (NLP)	■ Built **content-based filtering** recommendation system for businesses on **Yelp** dataset (**JSON** files) ■ Conducted **sentiment analysis** using **VADER** and transformed review text using **TF-IDF Vectorizer** ■ Determined top **5** recommendations using **cosine similarity** & **super-score** by solving cold start problem
Image Inpainting	■ Inpainted images with missing patches, trained model with **7000+** images each of **4 classes** of animals ■ Enhanced images via **augmentation** & **rescaling;** used **CGAN** & **Pix2Pix;** achieved **RMSE (0.76)** via CGAN

POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS

Moderator	■ Managed logistics & participation of **300** people at Blood Donation camp at MAIT, Rohini [19]
Event Organizer	■ Managed **30+** companies onboarding & **3k+** students participation in Internship Fair, DTU [18]
Event Organizer	■ Oversaw & managed different types of events & participation of **350+** students at Impulse,MAIT [18]
Instagram Content Creator	■ Food blogging page with **28k+** followers, **10M+ views** on reels, **800k+** impressions, **500k+** accounts reach ■ Collaborated with multiple brands like **Mountain Dew**, **Pepsi Co.** ↑content reach in **5+** countries

ELECTIVES : Machine Learning , Health Care Analytics , FRM	INTERESTS : Food Blogging , Cricket