

Shainal Jain Chemical Engineering Indian Institute of Technology Bombay 210040144 B.Tech.

Gender: Female DOB: 01/12/2003

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2025	
Intermediate	HSC	Pace Junior Science College Nerul	2021	96.83%
Matriculation	CBSE	Atomic Energy Central School -4	2019	94.60%

Secured Associate Consultant role at EY in Enterprise Risk Consulting via IIT Bombay campus placements

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	SCHOLASTIC ACHIEVEMENTS			
• Secured a chan	age of branch to the Dept. of Chemical Engineering for excellence in academics	['22]		
• Ranked in the	top 1% state rank in National Standard Examination in Junior Science (NSEJS)	['18]		
• Ranked in the	top 10% (institute) in the Junior level screening test of 49th and 50th NMTC ['1	17,'18]		
• Conferred with	the INSPIRE scholarship for ranking in top 1% of the Maharashtra HSC examination	['21]		
• Secured merit	and received an award for excellence in the Ganit Prabhutva Pariksha	['17]		
PROFESSIONAL EXPERIENCE				
Dr. Reddy's	Laboratories Internship [May'24 - Ju	al'24]		
$Tasked\ with\ cycle$	time reduction at Granulation stage of Colesevelam Tablet			
Strategy	 Implemented the DMAIC methodology to converge at key potentials for process intensification. Developed a coupled CFD-DEM-PBM framework for fluidized bed wet granulation modeled the effects of process parameters like AFR on particle dynamics and residence to Applied a one-way CFD-DEM to PBM transfer for developing co-relations and deriving infer between particle-fluid interactions with granulation behavior in the fluidized bed system. Developed mechanistic PBM rate expressions for mapping crucial process parameters like hunt to critical quality attributes like granule size distribution and liquid content of the API. The framework accurately captures system dynamics and provides a practical methodolog process model development, effectively supporting process design, development, and scale-up 	n and time rences midity		
Impact	 Reduced the cycle time from 7 hours to 3.5 hours per batch to improve delivery and yield by 2 Projected an INR 25M reduction in working capital by proposing Zero additional CapEx 	2x		

OptAlpha | Data Analyst

[Feb'24 - Apr'24]

- · Tasked with analysis, manipulation and interpretation of financial data and algorithmic trading strategies
- Developed and **backtested** end-to-end automated strategies, leveraging market data for performance optimization
- Conducted **price**, **volume** and **VCP** analyses for decision-driven identification of potential buy or shorting opportunities
- Drafted a **Trend Template** and identified **volatility contractions** within the VCP patterns to validate **Stage 2 uptrends**, applying rolling **moving averages**, stock volume patterns, and **RS** ranking for enhanced stock selection

KEY PROJECTS

M&A Analysis: Investment Banking

J.P. Morgan Virtual Experience Program | Forage

[Jun'23 - Jul'23]

- Executed a comprehensive M&A project via analysis, target identification, financials, and investment options
- Conducted in-depth analysis of target companies, evaluating financial performance, market position, competitive landscape, and growth potential, while identifying synergies, and value creation opportunities
- Utilized financial modelling skills to prepare **discounted cash flow (DCF)** valuations, assessing intrinsic value and potential returns on investment for each identified target company based on perceived forecasts and analysis

KPMG Data Analytics

KPMG Virtual Experience Program | Forage

[May'23 - Jun'23]

- Conducted data quality assessment and evaluated the completeness of three datasets provided by the client
- Developed recommendation for high-value customer targeting based on customer demographics and attributes
- Conducted a Three phase analysis including data exploration, model development, and data interpretation
- Designed a **Tableau dashboard**, revealing **data insights**, **high-value customer segment**, growth strategies **Credit Card Fraud Detection** | Self Project
- Preprocessed the dataset using scaling, distribution analysis, and data splitting for extended analysis
- Applied advanced resampling techniques such as random undersampling, oversampling with SMOTE, and anomaly detection to address class imbalance in the data for improving overall model performance
- Utilized dimensionality reduction techniques like **t-SNE** for visualizing high-dimensional data and **clustering**, and implemented various classifiers like logistic regression and neural networks for testing and evaluation purposes

· Stood First in an ad-making contest (team of 5) in FRESHIEZZA

· Mentored a batch of over **150** juniors on purusing **IEOR** as minor degree

· Enthusiastic competitive programmer with max Codechef rating of 1433

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['24]