

SCHOLASTIC RECORD

Year	Degree	Institute	CGPA/%
2016	M.Chem	ICT - Mumbai	8.1
2013	B.E. (Hons.) Chemical Engineering	BITS Pilani, Pilani Campus	6.47

WORK EXPERIENCE

OPTIRISK SYSTEMS Research Analyst & Software Engineer / Trader Dec 2018 - Present		
Technical Skills: Python, R, Flask, SQL, Linux, Shell Scripting, Reuters, Exante, Trading, Ravenpack, Interactive Brokers, cronjob		
Roles & Responsibilities	Product: Strategies based on SSD	
	<ul style="list-style-type: none">• Identifying requirements of Indian, US and UK stakeholders to build investment & trading solutions• Co-ordinating with internal team across the globe for smooth running of strategies and development of internal systems• Designed stop-loss for risk management of portfolios• Developed strategies for NIFTY 50 & SP500• Deployment and maintenance of live strategies on cloud and developed systems for PnL reports for stakeholders• Server and database maintenance for live trading on NIFTY, HANGSENG and SP500 across 3 timezones• Developed and deployed backend systems for data scrapping, market alerts and market data & sentiment data• Conducted seminars and talks to explain strategies and how & why they work• Conducted knowledge transfer session for new recruits for quick and smooth orientation	
Achievements	<ul style="list-style-type: none">• New strategy went live for NIFTY Futures trading which generated 34% profit in 8 months• Completed 2 years of trading on HANGSENG which generated 40% profit• Developed new strategies for NIFTY 50 using AI/ML models• Implemented stop-loss which improved returns of strategy from 14% to 70%• Conducted seminar on TradeTron which improved strategy subscription from 12 to 100+• Implmented new automated strategies on TradeTron, Exante and Interactive Brokers	

CRISP ANALYTICS Data Scientist Engineer Nov 2017 - Dec 2018		
Technical Skills: Python, R, Flask, AWS, Ethereum, PostgreSQL, RSA, Solidity		
Roles & Responsibilities	Project: TVS Credit - Risk Control(4 months)	
	<ul style="list-style-type: none">• Developed model using behavioural analysis to identify delinquent customers• Designed comprehensive data model for project development• Performed data validation on client data to rectify gaps in staging and core data• Selected and created variables using weight of evidence and information value• Identified target customers with high probability of NPA and delinquency	
Achievements	<ul style="list-style-type: none">• Increased efficiency of existing model by 50% for prediction of delinquent customers• Reduced the cost of customer follow ups of risk control unit	
Roles & Responsibilities	Project: MyBox - Identity Information on Blockchain(6 months)	
	<ul style="list-style-type: none">• Worked on monetising and secure sharing of personal identification information• Performed feasibility analysis of backend and Ethereum blockchain development• Implemented ERC20 tokens for development of crypto-currency• Encryption and safekeeping of KYC data using state of art RSA encryption algorithms	
Achievements	<ul style="list-style-type: none">• Process of sharing information became more transparent and hassle-free	

SNAPMINT		Data Analyst	Sep 2016 - Nov 2017
Technical Skills: Python, Ruby, DBMS, H2O, D3, Tableau			
Roles & Responsibilities	Product: Snapmint(Smart lending platform)		
	<ul style="list-style-type: none">Developed generalised linear model in H₂O to detect the key factors in bounces.Performed rejection analysis to increase loan disbursement to false negative customersAutomated the customer verification (KYC) using algorithms like soundex, jaro-winklerCollaborated with cross functional teams for smooth business functioningDesigned dashboard and MIS reports for reporting of business performance		
Achievements	<ul style="list-style-type: none">Designed and developed policy for credit appraisal of customersTurn around time in verification and under-writing process was reduced significantly		

AWARDS & ACHIEVEMENTS

Academic	• Awarded the KVPY Scholarship by IISC, Bangalore for excellence in KVPY Exam	2008
	• Awarded Merit certificate for excellence in Mathematics by CBSE, in class X	2007
Courses	• Successfully completed Introduction to Data Science in Python , Data Analysis Tools, Data Management and Visualisation & Customer Analytics from Coursera	2016

RESEARCH

Institute of Chemical Technology, Mumbai		April 2015 - May 2016
Research Title: Prediction of Efficacy of Oligo-Peptides using QSAR and ANN		
Methodology	<ul style="list-style-type: none">• Did research to predict IC50 values of peptides using Artificial Neural Network & QSAR• Used Sttugart Neural Network Simulator (SNNS) and R for modelling• Used neural networks with 1 and 2 hidden layers with quick propagation algorithm	
Achievement	<ul style="list-style-type: none">• Second prize in International Conference on Artificial Intelligence held at NMIMS, Shirpur	

OTHERS

<ul style="list-style-type: none"> Guitar, Online Gaming, Philosophy, Origami, Cooking
