

Dhruv Rana

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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
2009	12 th (CBSE), PCM	Vivekanand School, Delhi	85%
2007	10 th (CBSE)	Air Force School, Hindon	82%

WORK EXPERIENCE

CRISP ANALYTICS		Data Scientist Engineer	Nov 2017 - Present
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 customersDesigned comprehensive data model for project developmentPerformed data validation on client data to rectify gaps in staging and core dataSelected and created variables using weight of evidence and information valuePerformed logistic regression to create the confusion matrixIdentified 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 customersReduced 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 informationPerformed feasibility analysis of backend and Ethereum blockchain developmentImplemented ERC20 tokens for development of crypto-currencyEncryption 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	• Among top 0.5% in All India Engineering Entrance Exam (AIEEE)	2009
	• 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 & QSARUsed Sttugart Neural Network Simulator (SNNS) and R for modellingUsed 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

• Guitar, Online Gaming, Philosophy, Origami, Cooking
