Dhruv Rana

Male, DOB: Nov 11th, 1991

✆ : +91 9969934044

✉ : dhruvrana27@gmail.com

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

Work Experience

OPTIRISK SYSTEMS — **Research Analyst & Software Engineer** — **Dec 2018 - Present**

Technical Skills: Python, R, Flask, SQL

Roles & Responsibilites	**Product: Strategies based on SSD**
	• **Interacting** with **Indian and Chinese clients** to start live trading • **Developed strategies** for NIFTY Futures and NIFTY 50 • **Server** and database **maintenence** for smooth running of live trading on NIFTY, HANGSENG and SP500 across 3 timezones • **Developing** and deploying **backend systems** for data scrapping, market alerts and market data
Achievements	• New strategy went live for NIFTY Futures trading • Completed 9 months of trading on HANGSENG which generated 15% profit • Developed new strategies for NIFTY 50 using AI/ML models

CRISP ANALYTICS — **Data Scientist Engineer** — **Nov 2017 - Dec 2018**

Technical Skills: Python, R, Flask, AWS, Ethereum, PostgreSQL, RSA, Solidity

Roles & Responsibilites	**Project: TVS Credit - Risk Control(4 months)**
	• 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** • Performed **logistic regression** to create the **confusion matrix** • Identified **target customers** with high probability of NPA and delinquency
Achievements	• 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)**
	• 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	• 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 & Resposibilites	**Product: Snapmint(Smart lending platform)**
	• Developed **generalised linear model** in **H_20** to detect the key factors in bounces. • Performed **rejection analysis** to increase loan disbursement to **false negative** customers • Automated the customer verification (KYC) using algorithms like soundex, jaro-winkler • Collaborated with **cross functional teams** for smooth business functioning • Designed **dashboard** and **MIS reports** for reporting of business performance
Achievements	• Designed and **developed policy** for **credit appraisal** of customers • **Turn 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) • Awarded the **KVPY Scholarship** by IISC, Bangalore for excellence in KVPY Exam • Awarded **Merit certificate** for excellence in **Mathematics** by CBSE, in class X	**2009** **2008** **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 **Research Title: Prediction of Efficacy of Oligo-Peptides using QSAR and ANN**		**April 2015 - May 2016**
Methodology	• 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	• **Second prize** in International Conference on **Artificial Intelligence** held at NMIMS, Shirpur	

OTHERS

- Guitar, Online Gaming, Philosophy, Origami, Cooking