

Problem-Solution Ip canvas 2.0

Project Title: Smart Lender-Applicant Credibility Prediction for Loan Approval

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) Who is your customer? e. working parents of 0-5 y.o. kids 1. Investment firms 2. Venture Capitalists 3. Entrepreneurial incubation firms 4. Banks	6. CUSTOMER CONSTRAINTS What constraints prevent your customers from taking action to limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available services A financial institution's credit applications process is complicated and involves a lot of paperwork. Loan defaulters may go unnoticed by banks. They might lend him money as a result, exacerbating the loss.	5. AVAILABLE SOLUTIONS Which solutions are available to the customers when they face the problem or need to go through it? What have they tried in the past? What pros & cons do they have? ee-80- a-c- e-c-e- + -pe-a-dpape- -e-a-aaw c v6o 4o*a! +k'na----- Models: 1. Decision Tree Model 2. Random Forest Model 3. KNN model 4. Xgboost Model Creating an application that uses any of these ML models to predict the loan eligibility of person.	Explicit AS, differentiate
	2. JOBS-TO-BE-DONE/ PROBLEMS Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides. The importance of a 24-months history of employment is very important in the loan approval. If someone has been self-employed for less than 2 years and only has the business license for 18 months that could be a problem.	9. PROBLEM ROOT CAUSE "Y'a i4 the ea l - - - in hat ' i i e p'sb en ex - - " 'y/* ** '1the " ck ated> behind the need to do h e jcb' e -ue-on-era have -a do t because zf the change i ulat i<	7. BEHAVIOUR What actions do customers take when they face the problem? i e directly rela- e4 -i 'd 'fe who ao ar g an el r w a er c a cu la-e usa- 4nc bene'... i. ...ly ...ociated: custo... e spend free time ... volu...ing work (L... Cre...ed	
Identify strong TR & EM	3. TARGETS What do you want your customers to do? i.e. seeing their neighbour installing solar panels, reading in the newspaper Money repayment delay and loss due to approval of loan for ineligible candidates	TO. YOUR SOLUTION If you are working on an existing business, write down your current solution first fill in the canvas, and check how much it fits reality. If you are working on a new business proposition, then fill it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour. Our Solution involve using ensemble ML models which can predict the loan eligibility in the banking sector. It will also include an application framework that uses this ML model and some UI/UX to provide the results directly to the customers.	6. CHANNELS of BEHAVIOUR How do customers reach you? What kind of actions do customers take online? Extra online channels from #7 The online way of action would be sending notice regarding deadline. a J use "her +or cue/ome deme ops' wn' Offline way would deal with directly approach to the client for collection of money.	Offline BE
	4. EMOTIONS: BEFORE/ AFTER How do you want your customers to feel? e.g. they feel less problem or relief and stress, etc. e'csc "as ure+c mment, in control -use it in your communication strategy & design Unwanted financial issues in bank money rotation cycle. After resolving the issue regular circulation of money would continue.			

