Soniya Patwa

Experienced mobile application developer for platforms like iOS and hybrid(React Native) || Hobbyist UI-UX designer || Likes making complicated stuff simpler || Wish to explore and build a tangible tech product using the power of Data and powerful UI-UX.

Mumbai, India
+918433911613
soniyapatwa8@gmail.com
Skype: soniya.patwa

LinkedIn profile
Github link
Medium link

EXPERIENCE

Reliance Jio Infocomm Ltd., Navi Mumbai — *Mobile application developer(iOS, React native)*

OCT 2015 - PRESENT **(4 years 5 months)**

Reliance Jio Infocomm Ltd., Navi Mumbai — *Consultant*

JUNE 2015 - SEPT 2015 **(5 months)**

Tech Mahindra Ltd., Mumbai — *Java developer*

SEPT 2014 - MAY 2015 **(9 months)**

JSW Ltd., Mumbai — *Java developer*

JUNE 2013 - OCT 2013 **(4 months)**

EDUCATION

GreyAtom, Mumbai — *Data Science and Machine Learning Masters Program*

DEC 2018 - JUNE 2019

Mumbai University, Mumbai — *B.E. Computers*

JUNE 2010 - JUNE 2014

PROJECTS

Jio Payments Services — *Reliance Jio Infocomm Ltd.*

Implemented Jio's banking and payments services for handling complete banking journey for customers from onboarding to send and request money, bill payments, mobile recharge along with Cred(NPCI) operations for secure transactions.

- iOS (Swift, objective C)

UPI payment SDK — *Reliance Jio Infocomm Ltd.*

Developed UPI application in native iOS along with handling Cred(NPCI)

SKILLS

Data Science / Machine learning: Python, pandas, scikit learn, numpy, Natural Language Processing, Data visualization.

iOS: Objective C, swift, cocoa touch, Xcode.

React native: Javascript, react native, native/turbo modules, JSX.

Database: SQL/PLSQL

Languages: Java, C++, HTML, CSS.

BUSINESS DOMAIN

Banking / Finance

Customer services and retention

Telecom

operations for secure transactions. Fulfilled the NPCI payment and transaction mandates. Later build the same as hybrid app for cross platform compatibility in React native.

- iOS (Swift, objective C), Hybrid (React native)

MyJio application — *Reliance Jio Infocomm Ltd.*

Contributed in the development and maintenance of the flagship MyJio application which has a customer base of 300+ million. App provides recharge/pay facilities, push notifications, manage Jio digital ecosystem, dynamic banner and 3rd party user engagement services.

- iOS (Swift, objective C)

HelloJio application — *Reliance Jio Infocomm Ltd.*

Contributed in building Jio's own flagship chatbot for iOS. Implemented DAG data structure for fulfilling device troubleshooting requirements. Used ATP and rule based approach for other device OS based services.

- iOS (Swift, objective C)

Augmented Reality app — *Reliance Jio Infocomm Ltd.*

Built an Augmented Reality application to solve retail problems like virtually displaying devices for marketing and showcasing new device launches.

- iOS (Swift, objective C, CoreML, openCV and ARKit)

RECOGNITIONS

Runners up in devOps hackathon by Techgig code gladiators 2017.

Top performer recognition by the client - Reliance Jio Infocomm Ltd in the year 2015.

Technical and overall topper in the TLS/ELITE training for freshers at Tech Mahindra for the year 2014.

JioStore application — *Reliance Jio Infocomm Ltd.*

Built an e-commerce iOS application which sells Jio's products and services with billdesk payment gateway and hybris as backend.

- iOS (Swift, objective C)

Network Element Interface implementation for BST logic — *Tech Mahindra Ltd.*

Built network element interfaces in java for proposed BST logic to optimise network resource utilisation and installation costs.

- Java, Comptel, iLink servers

In-campus truck turn around time management system — *JSW Ltd.*

Built in-campus truck turnaround time management system to optimally allocate drivers and resources(vehicle) in the company campus saving time, money and human resources.

- Netbeans, Java, Oracle

The foody App — *B.E. final year project.*

Solved food delivery and other services problem by creating a customer facing android app and a merchant(hotel/restaurant) facing website.

- Java, JSP, servlets, android

INDEPENDENT PROJECTS

Flight tickets price prediction— *MachineHack hackathon*

Objective: Predict flight ticket prices for given time and flight journey.

Data: Flight details like route, duration, number of stops, departure and arrival time and price.

Approach: Feature engineered the independent variables to avoid redundancy and overfitting, then made predictions using regression models by fine tuning the hyperparameters.

Insights: Identified the best time slot(month) and airport location for hosting discounts and partner advertisement saving company costs.

Predicting approval or denial of H1B applications — *GreyAtom hackathon*

Objective: Predict approval or denial status for H1B VISA applications.

Data: More than 30 features given along with target variable.

Approach: Analysed H1B problem for predicting if an application would receive an approval or denial. Identified top prospective work sites and employers in the US for which VISA approval are most probable. Did feature selection to reduce overfitting before applying different classification algorithms.

Insights: Identified top traits/features in employees for whom VISA would get approved hence reducing company costs.

Recharge recommendation toolkit — *GreyAtom hackathon*

Objective: Predict when would a recharge be done and what would be the recharge amount.

Data: User level prepaid balance information during event hits from client.

Approach: Spilt the only feature (time stamp information) available into multiple features. Considered the problem as a 2-stage problem wherein first used binary classification to identify whether a recharge would be done and once it is identified a recharge would be done used regression techniques to predict recharge amount.

Customer segment prediction for online content streaming client(using data by CleverTap)

Objective: Segment customers based on their propensity to watch a video on a content streaming app.

Data: 5 csv files giving server timestamps for 5 client events: app installed, registered, uninstalled, video started, video details watched.

Approach: Extremely messy data as inputs were scattered in 5 different files. Made use of RFM technique to determine the customer propensity of watching a video.

Identify a parking spot as occupied or empty - *Techgig code gladiators hackathon*

Objective: Classify whether a parking spot is occupied or empty and give the count and position of the vacant parking spot.

Data: Bird's eye view of the parking space from a security camera.

Approach: Used Computer vision and Image processing library(OpenCV) to process the camera frames and generate data that can be trained and tested for classification. Used simple VGG CNN to classify a parking spot.