John Willson

A Software Engineer having an In-depth understanding of web technologies . With a love towards Data and mathematical concept, searching for a place to prove myself in Data Science. Good understanding of Supervised and Unsupervised Machine Learning models and also ensemble techniques. Exposure to Exploratory Data Analysis (EDA), Statistical analysis and Statistical testing (Hypothesis testing)

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WORK EXPERIENCE

Software Engineer
Agilysys

03/2018 – Present

Achievements/Tasks

- LMS UI - A Web application where User can automate every aspect of hotel operations, from creating a reservation to property management. Worked on integrating Payment Devices, Authentication , Multiple Check-In at the same time, Reservation creation for a Group, Monitoring dashboard which will show the reservation status.
- Rguest Express - Developed a self service Kiosk application using Electron js and Angular frameworks. Integrated a verification check where User either has to provide Passport or Driving License to proceed further. After verification, added other features where User can select room, upgrade room, Payment, collect Keycard for check-in and 4 devices were integrated.
- IG Mobile - Developed a Hybrid Mobile Application from scratch using Ionic and Angular frameworks. In this app where User can order the food with either by cash or using casino points, cooking time, to have the food in hotel or take away, can choose their seat. On Admin side the server will be notified about the order , Payment and Seat arrangement.

Software Trainee
TCS

10/2015 – 02/2018

Achievements/Tasks

- Product Communication Analysis Tool - This is an analysis tool which helps in tracking the customer need, strategies, market input, competitor information and explored which then leads to defining communication needs and how to convey them to the customer.
- ShopNet - This is an E-commerce site where I developed multiple main features which includes Tracking the Shopping Activity, Customer Wishlist, Recently viewed Items, Dynamically updating offers in the Home Page.

EDUCATION

B.E(Computer Science & Engineering)
Vel Tech Multi Tech Engg. College

2011 – 2015

INTERESTS

Competitive Programming   Learning   Travel

SOFT SKILLS

Problem Solving   Time Management   Analytical

TECHNICAL SKILLS

CS fundamentals
Data structures, Algorithms, OOPS, Coding standard

Web Stack
Html, CSS, Javascript, Angular, Material, Flex, Nodejs

ML Stack
Python, Matplotlib, Sci-learn, Pandas, Docker, Time Series Forecasting, Recommendation Engine

PERSONAL PROJECTS

Mobile App Usage Prediction ⧉
- Predicted how much time a User can use a given app for a day based on previous activities from the given 6 months data

Credit Risk Evaluation
- Effective risk management on the borrowers overall ability to repay a loan. Developed a models to best assess the profitability and reduce risks using customer data. Recommend different strategies and design for model pipeline.

Housing Price Prediction ⧉
- To understand the factors on which the pricing of housing depends from the given 79 features and predicting the price for final dataset using blended model that provides better results.

Kernel Expert at Kaggle ⧉

ACCLOADES

Have received 3 times appreciation from CEO & Managing director of Agilysys for 3 different products.

Have received 2 rewards for short period delivery and excellent response for the products of Kiosk and IG

TCS Gems[star performer of the year 2017]

CERTIFICATES

Introduction to Data Science in Python from University of Mitchigen, Coursera

Applied Machine Learning in Python from University of Mitchigen, Coursera

Neural Networks and Deep Learning from Deeplearning.ai, Coursera