

# Apurv Singh

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## EDUCATION

University of Maryland, Robert H. Smith School of Business  
Master of Science (M.S.) Information Systems (GRE 310)

College Park, MD, USA  
December 2022

Manipal University Jaipur, Department of Engineering  
Bachelor of Technology (B.Tech.) Computer Science Engineering (GPA – 3.0)

Jaipur, RJ, India  
May 2017

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## TECHNICAL SKILLS

**Tools/Skills:** Jupyter notebook, Tableau, Git, GitHub, MS Office Suite, Jupyter IDE, MySQL, Linear Regression, Multiple Regression, Confidence Interval, Probability Distribution

**Programming languages:** R programming, Python (Numpy, Pandas, Matplotlib, Scikit-learn), SQL, C# (ASP.net), JavaScript (Angular, React, Node.js, LitElements, jQuery), HTML, CSS

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## PROJECT EXPERIENCE

### Automotive Stock Price Prediction for Tesla, Ford and GM using Python and Machine Learning

- Led a team of 5 under agile methodology analyzing closing values, sales volume, moving average, daily returns
- Used Long short-term memory (Recurrent Neural Network) for modelling and forecasting with over 80% accuracy
- Visualization using matplotlib and seaborn (pair plot, scatter plot, kernel-density-estimate plot)
- Risk analysis by comparing the expected return with the standard deviation of the daily returns

### Bank Customer Churn Prediction (Python scikit learn, matplotlib, NumPy, pandas)

- Individual project using scikit learn (Logistical Regression, Random Forest Classifier)
- Predicted churn with 88% accuracy using random forest (accuracy score, classification report for metrics)

### Dell Universal payment portal for (C#, Angular, Lit-Elements, MySQL using microservices and micro front end)

- Part of an agile team to code a universal payment portal based on micro-services, micro-frontend architecture
- Reduced Page Load Time by almost 40% and payment nag/failure by 28% driving up CSAT

### Dell Global Portal (GP) Cart and Checkout (C#, AngularJS, MySQL)

- Developed (team effort) latest version of Dell's highest revenue generating Global Portal cart and checkout flow
- Drove up GP revenue by 18%, increased frictionless checkout metric to almost 100% and CSAT by 6% to 99.8%

### Portfolio – React self-learning project

- <https://my-portfolio-five-iota.vercel.app/>
- A basic front-end only mobile-first portfolio to practically learn and use components, lifecycles and hooks

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## WORK EXPERIENCE

### Dell International Services India Pvt. Ltd.

Bangalore, India

#### Software Engineer 2

July 2017– June 2021

- Promoted within a year for increasing cart checkout flow revenue by 18% through team enhancement
- Constructed a Dell universal online payment portal reducing page load time by 40% and payment failure by 28%
- Coded a product subscription system as part of a team, drove up sales of qualifying items by 11%
- Led as second-in-command of site reliability team and helped fix obscure bugs on Dell b2b portal driving CSAT metric up from 73% to 88%
- Led training and transformation of Testing Engineers (SDETs) to Full Stack developers

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## LEADERSHIP AND VOLUNTEER EXPERIENCE

### Gramiksha, Rajasthan, India.

January 2016– December 2016

- Led a team of 12 undergraduate students to help raise funds for underprivileged children in a rural village

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## DISTINCTIONS

- Languages: English (fluent), Hindi (fluent)
- Interests: Soccer (Liverpool FC), yoga, weight training, flute, track sprinting, nutrition