

# Darshan Patel

darshanpatel.io | darshanpatel25894@gmail.com  
813.255.3018 | Mountain View, CA

## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY

#### MS IN COMPUTER SCIENCE (MACHINE LEARNING)

Exp. Grad. May 2022 (Part Time)  
College of Computing (OMSCS)

### PENN STATE UNIVERSITY

#### BS IN COMPUTER ENGINEERING

Grad. Dec 2017 | Univ. Park, PA  
College of Engineering  
Cum Laude | Dean's List (All Semesters)  
Cum. GPA: 3.84 / 4.0

## LINKS

Website:// [darshanpatel.io](http://darshanpatel.io)  
Github:// [darshann25](https://github.com/darshann25)  
LinkedIn:// [darshannpatel](https://www.linkedin.com/in/darshannpatel)

## COURSEWORK

Reinforcement Learning  
Machine Learning for Trading  
Data and Visual Analytics  
Software Development Process  
Artificial Intelligence  
Data Structures and Algorithms  
Introduction to Computer Security

## SKILLS

### PROGRAMMING

Python • Spark • Java • C • SQL • Golang  
• NetworkX • JavaScript • NodeJS •  
HTML • Swift

### PACKAGES AND TOOLS

Spark • MLlib • Hadoop • Scikit Learn •  
Tableau • PowerBI • Alteryx • AWS EC2 •  
AWS EMR • GCP Kubernetes

## AWARDS

2015 - Dr. Ayoub Mathematics Award  
for Excellence in the field of Mathematics  
2014 - President's Freshman Award  
2013 - 2017 - Dean's List  
2017 - Grad. with Honors (Cum Laude)

## SOCIETIES

2016 - HackPSU, TedxPSU  
2015 - Tau Beta Pi Honor Society  
2014 - Vice President, Robotics Club

## EXPERIENCE

### DATAVISOR | SOLUTIONS DATA SCIENTIST

August 2020 – Present (11 months) | Mountain View, CA

- Utilizing **applied machine learning** and **data analytics** to use DataVisor's proprietary unsupervised machine learning technology to solve client fraud problems such as **payments fraud and account takeover**.
- Supporting **go-to-market initiatives** by improving deal conversion resulting in closing over \$1.2million in new business.

### PWC | DATA SCIENTIST (FRAUD ANALYTICS) - SENIOR ASSOCIATE

February 2018 – August 2020 (2 years 7 months) | New York, NY

- Driving cutting edge data analytics using **big data tools and machine learning** to build, monitor and enhance **fraud strategies at financial services clients**.
- Building strategic campaigns around **acquisition, marketing, lifecycle, fraud and operations optimization** for the customer base for financial services client using **analytics driven decision making**.

### SCRATCHWORK TOOL | SOFTWARE DEVELOPER - SENIOR DESIGN

August 2017 – December 2017 | Princeton, NJ (Remote)

- Worked on the iOS (Swift) application for the **Scratchwork handwriting tool**.
- Served as **project lead for a team of six students** from Penn State.

### PENN STATE UNIVERSITY | LEARNING ASSISTANT (CMPSC 465)

August 2017 – December 2017 | Abington, PA

- Facilitated learning of **data structures and algorithms** by holding weekly office hours for students questions about algorithms and programming assignments.
- Created a community of students who practiced actively for **competitive programming and coding job interviews**.

### PWC | DATA SCIENTIST (ANALYTICS) INTERN

June 2017 – August 2017 | Philadelphia, PA

- Leveraged **SQL** for data analysis and **Tableau** for data visualization.
- Suggested key terms that **reduced false positives by 15%**

### ORACLE | SOFTWARE ENGINEERING CO-OP

June 2016 – December 2016 | Conshohocken, PA

- Automated testing infrastructure using Integration and Selenium suites.

### FIRST ECONOMY | SOFTWARE ENGINEERING INTERN

June 2015 – August 2015 | Mumbai, India

- Developed application test code and user-interface carousel for the company's education-supporting mobile app called **Ediffy**.

### PENN STATE - LEARNING CENTER | PEER TUTOR & STUDENT MENTOR

August 2014 – May 2015 | Abington, PA

- Designed problems to enhance each student's understanding of the subject.

## RESEARCH

### PENN STATE - CSE DEPARTMENT | UNDERGRAD RESEARCHER

- Robert Avanzato** | Open ROV Underwater Robot | August 2014 – May 2015
- Dr. Matthew Fury** | Backward heat equation | August 2014 – May 2015
- Dr. Tom Warms** | C++ Teaching Tool | August 2013 – May 2014