# Darshan Patel

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813.255.3018 | Mountain View, CA

## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY
MS in Computer Science (Machine Learning)
Grad. May 2023
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
Github:// darshann25
LinkedIn:// darshannpatel

## COURSEWORK

Reinforcement Learning
Machine Learning for Trading
Data and Visual Analytics
Software Development Process
Deep Learning
Artificial Intelligence
Data Structures and Algorithms

## 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 | Senior Data Scientist
August 2020 – Present (3 years) | Mountain View, CA
- Utilizing open source and **proprietary machine learning** techniques to solve financial fraud problems such as **payments fraud, application fraud** and **money laundering** with less than **1% false positive rate** and over **70% recall**.
- **Deploying production models**, designing and implementing **story-telling dashboards** to monitor fraud program performance, and accelerating development of **governance documentation** by 30%.
- Supporting **go-to-market initiatives** by improving deal conversion by **50%** resulting in closing over **$1.2million** in new business.

### PWC | Data Scientist (Fraud Detection) - 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 | State College, PA
- Led weekly office hours for various **data structures and algorithms** topics.
- Created a student community for **competitive programming practice.**

### 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 for edTech 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