Darshan Patel

darshanpatel.io | darshanpatel25894@gmail.com
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 **proprietary machine learning** techniques to solve financial fraud problems such as **payments fraud, application fraud** and **money laundering** with greater than less than **1% false positive rate** .
- Supporting **go-to-market initiatives** by improving deal conversion by **50%** 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