Darshan Patel

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813.255.3018 | Jersey City NJ

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY
MS in Computer Science (Machine Learning)
Exp. Grad. May 2021 (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**
Github:// **darshann25**
LinkedIn:// **darshannpatel**

COURSEWORK

Machine Learning for Trading
Data and Visual Analytics
Data Structures and Algorithms
Introduction to Systems Programming
Operating Systems
Introduction to Computer Security
Artificial Intelligence

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

PWC | Data Scientist (Fraud Analytics) - Experienced Associate
February 2018 – Present (2 years 1 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** .
- Leading a team of backend, UI and machine learning engineers from **US, Europe, India and China** to build **PwC** 's fraud risk advanced analytics integrated solution.
- 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 to help in the effort and administrated the central repository using Gitlab.

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.**
- Answered student questions on the Piazza online course forum.

PWC | Data Scientist (Analytics) Intern
June 2017 – August 2017 | Philadelphia, PA
- Worked in the **Forensics Technology Services (FTS)** practice for analyzing fraud in the fields of supply chain, financial services, and merger-acquisitions.
- Leveraged SQL for data analysis and Tableau for data visualization.
- Suggested key terms that reduced the data sets under investigation by 4-5%

ORACLE | Software Engineering Co-op
June 2016 – December 2016 | Conshohocken, PA
- Quality Assurance Engineer for Oracle's project management software, **Prime** .
- 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