Nikhil D'Souza

dsouza13@purdue.edu | (805) 490-5055 | nikhiljay.com | github.com/nikhiljay | US Citizen | Eagle Scout

Objective

Seeking an internship with the focus of applying technology and AI.

Education

Purdue University – West Lafayette, IN **2022**

- Bachelor of Science in Computer Science
- Bachelor of Science in Data Science
- GPA: 4.00

Experience

Taco Bell Corp. – Irvine, CA **May 2019 - Aug 2019**

Software Engineering Intern

- Building the next generation kitchen platform for the Taco Bell restaurants.
- Developing an application and collaborating with a team to bring new innovation and improvements to restaurants.

Viasat Inc. – Carlsbad, CA **Oct 2018 - Apr 2019**

Data Science Intern

- Building an anomaly detection framework that utilizes unsupervised machine learning to detect novel patterns in time series data.
- Using the Generalized ESD algorithm with seasonal decomposition to detect faulty equipment, congestion, and usage anomalies.

Saama Technologies Inc. – Campbell, CA **Jun 2018 - Aug 2018**

AI Intern

- Used machine learning techniques to identify packaging anomalies on a conveyor belt.
- Developed CNN with 97% validation accuracy and leveraged image augmentation to expand dataset from 200 to thousands of images.

Advanced Authentic Research – Palo Alto, CA **Sep 2015 - May 2016**

Researcher

- Developed an app that measured 4 different types of brainwaves when connected to an electroencephalogram.
- Classified emotions ranging from depression to happiness using logistic regression.

Apple Worldwide Developer Conference Scholarship Winner – San Francisco, CA **Jun 2015**

Developer

- WWDC Scholarships reward talented students and developers with the opportunity to attend Apple's annual developer conference.
- One of 350 students selected for the scholarship globally.

Projects

Calculating Fatigue of Rugby Athletes – ASA DataFest 2019 (1st Place Overall Winner) **Mar 2019**

- Determined real-time fatigue levels of rugby players by identifying impacts, measuring sprint distance, and analyzing health metrics.

Predicting Emerging eSport Celebrities – Krannert eSport Hackathon (3nd Place Overall Winner) **Nov 2018**

- Built a tool that scrapes Twitch and social media data to predict emerging viral eSport athletes using IBM Watson sentiment analysis.

GluClose – PennApps XVIII (2nd Place Overall Winner) **Sep 2018**

- Built a hack that uses saliva and bacteria in mud to quickly tell if blood glucose concentration is abnormally high.

Hack Chair – HackingEDU (2nd Place Overall Winner) **Oct 2015**

- Built an analytical tool built from an ordinary chair that can measure chair tilt, posture, and sleepiness.

Skills

Languages/Tools: Swift, Python, R, React, Java, C, JavaScript, Git, HTML/CSS, MySQL

Related Technologies: iOS and Web Development, Machine Learning, Data Processing & Visualization, Augmented Reality, UI/UX Design