Nikhil D'Souza

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Objective

Seeking a summer 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

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 - Aug 2018**

AI Intern

- Used machine learning techniques to identify packaging anomalies on a conveyor belt.
- Developed CNN with 99.7% val. accuracy and leveraged image augmentation to expand dataset from 200 to thousands of images.

Gunn Hacks – Palo Alto, CA **Nov 2016 & Oct 2017**

Event Organizer

- Contacted various companies to sponsor event and prizes.
- Brought judges and over 200 high school students together from all over the Bay Area to participate.

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

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.

Prioritize – HSHacks II **Feb 2015**

- Built a to-do list app that automatically prioritizes your tasks based on location and calendar events.

Skills

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

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