Nikhil D'Souza

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Objective

Seeking an internship with the focus of building something innovative and impactful.

Education

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

- Bachelor of Science in Computer Science
- Bachelor of Science in Data Science
- GPA: 3.89

Experience

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

Software Engineering Intern

- Built real-time dashboards to improve digital oversight and business strategy across sales and operations.
- Implemented Elastic stack (Elasticsearch, Logstash, Kibana) and developed an Android app in Kotlin to forward logs and metrics.

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

Data Science Intern

- Built an anomaly detection framework that utilizes unsupervised machine learning to detect novel patterns in time series data.
- Used 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.

Projects & Awards

Harris Corporation Scholarship – Purdue CS Awards 2019 **Apr 2019**

- Awarded for excellent academic performance.

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 from an ordinary chair that can measure chair tilt, posture, and sleepiness.

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

- One of 350 students selected globally for the WWDC scholarship with the opportunity to attend Apple's developer conference.

Skills

Languages/Tools: Python, R, React, Java, Kotlin, C, JavaScript, Git, HTML/CSS, MySQL, Swift, Docker, AWS Lambda & API Gateway
Related Technologies: Data Science, Machine Learning, Augmented Reality, UI/UX Design, DevOps, iOS, Web, Android, Tableau