

# Nikhil D'Souza

nikhiljay@purdue.edu | nikhiljay.com | github.com/nikhiljay | (805) 490-5055

## Objective

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Seeking a summer internship with the focus of applying technology and AI.

## Education

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- Purdue University** – West Lafayette, IN 2022
- Bachelor of Science in Computer Science and Data Science
- Henry M. Gunn High School** – Palo Alto, CA 2018
- GPA: 3.9/4.0

## Experience

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- Saama Technologies Inc.** – Campbell, CA Jun - Aug 2018  
*AI Intern*
- Partnered with the innovation lab of one of the largest biotech companies with the objective of using AI techniques to identify packaging anomalies on a conveyor belt.
  - Creatively used image augmentation to expand dataset from 200 images to several thousand images.
  - Developed a CNN with 99.7% validation accuracy.
- Gunn Hacks** – Palo Alto, CA 2016 - 2017  
*Event Organizer*
- Contacted various companies to sponsor event and prizes.
  - Managed to bring judges and over 200 high school students together from all over the Bay Area to participate.
- Advanced Authentic Research (AAR)** – Palo Alto, CA Sep 2015 - May 2016  
*Palo Alto Unified School District*
- Developed an app that measured 4 different types of brainwaves when connected to an electroencephalogram.
  - Measured emotions ranging from depression to happiness.
- Apple Worldwide Developer Conference Scholarship Winner** – San Francisco, CA Jun 2015  
*Apple Inc.*
- 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

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- GluClose** – PennApps XVIII (2nd Place Overall Winner) Sep 2018
- Built a hack that uses bacteria in mud to analyze data from a saliva sample, quickly telling you if your blood glucose concentration is normal or 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.
- Wolly** – Hacking Generation Y Jan 2015
- Built an app that finds volunteering opportunities for students using Couchbase backend.

## Skills

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

**Related Technologies:** iOS and Web Development, Machine Learning, Augmented Reality, UI/UX Design, Research