



PRANAV SANGANI

 pranavsangani
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EDUCATION

Purdue University, *Bachelor of Science in Computer Science* May 2028
Downingtown STEM Academy – GPA: 4.2/4.5, SAT: 1530/1600 (99th percentile) June 2024
University of Pennsylvania, *Wharton Global Youth Data Science Academy* June 2023

EXPERIENCE

DEEPSEAS (Drone Enabled Environment Patrol & Surveillance Edge AI System) Oct 2020 – June 2024

- A patent pending underwater drone system designed to help locate and report IUU (Illegal, Unregulated, Unreported) fishing in MPAs (Marine Protected Areas).
- Equipped with cameras, transmitters, and sensors, allowing it to locate fishing vessels using audio and visual input.
- Utilizes a Jetson Nano embedded system to operate AI audio and visual functions for sensory input and information processing.

GCL AI Summit - *CapitalOne Hall* September 2022 - June 2023

- Spearheaded the Business portion of a 250–350 person charity AI Conference Summit hosted @ CapitalOne Hall.
- Promoted by NBC-4 to students from Title-1 Schools in the local VA and MD area, covering various AI subjects.
- Featured speakers including an Assoc. Justice for the DC Superior Court, a Director @ Meta, and a Sr. Mgr @ NVIDIA
- Received sponsorship funding from Google, Meta, IntelAI, and AWS to help with renting and other logistical fees.

PROJECTS

All-Pro NFL Predictor

- Developed a model to predict the likelihood of a player being selected for the NFL All-Pro award utilizing a mix of lasso regression, neural networks, and random forest modeling.
- Programmed a script in Python to scrape the NFL player statistics from Pro Football Reference to use as training data for the model.

SKILLS

VOLUNTEER

Best Step Tutoring — *Tutor* May 2022 – August 2022

- Tutored 4 students on various mathematical topics – received “Tutor of the Month” award.

The Edvantage Project — *Program Assistant* May 2022 – August 2022

- Organized fundraisers at 5 different libraries to raise money to provide underprivileged kids with laptops.

CERTIFICATIONS

Retrieving, Processing, and Visualizing Data with Python, <i>University of Michigan Capstone Project</i>	December 2022
Python Data Structures, <i>University of Michigan Course</i>	October 2022
Programming for Everybody (Getting Started with Python), <i>University of Michigan Course</i>	September 2022