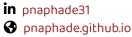
# Priya Naphade





#### Education

# **B.S.E.** in Computer Science

2020 - 2024

Princeton University, GPA 3.85

- Relevant courses: Information Security, Advanced Programming Techniques, Economics and Computing, Reasoning About Computation, Introduction to Programming Systems, Data Structures and Algorithms, Introduction to Data Science, Linear Algebra, Multivariable Calculus
- Minor in music (vocal performance)
- Activities: Chamber Choir, COS 226/217 Teaching Assistant, Women's Rugby Team (2021-2023)

#### **Work Experience**

### Offensive Security Research Intern

June 2023 - August 2023

Intel Corporation

- Designed novel approaches for performing bug deduplication after fuzzing campaigns
- Performed a literature review of deduplication techniques and pitched a new approach to my team
- Wrote two proof-of-concept C programs to demonstrate how my approach would improve current approaches
- Presented contributions to the Intel Product Assurance & Security team
- Wrote thorough documentation to ensure my work can be reproduced and expanded in the future

## COS 226 / 217 Teaching Assistant

September 2022 - April 2023

Princeton Department of Computer Science

- Guided students through debugging programming assignments for COS 226 (Data Structures and Algorithms) and COS 217 (Introduction to Programming Systems)
- Reviewed code in Java, C, and ARM assembly language

#### **Full Stack Developer**

September 2022 - January 2023

Independent Project - TackleMate

- Developed a web app to provide personalized feedback on user-inputted videos of rugby tackling drills
- Used Google's MoveNet Lightning pose estimation model to detect locations of body keypoints
- Evaluated literature on common characteristics of unsafe tackles to select areas for feedback: tackle height, acceleration into contact, and arm wrapping

# Undergraduate Researcher

June 2022 - July 2022

Princeton-Intel Research Experience

- Researched adversarial patches, stickers which can be applied to images or real-world objects to cause misclassification when fed to image recognition models
- Began developing a framework which does not rely on a particular model architecture or knowledge of the
  patch size to defend against adversarial patches

#### **Technical Skills**

Beginner • Intermediate • Advanced

C Git Wireshark HTML / CSS SQL

Java AFL++ Fuzzing ARM Assembly JavaScript MATLAB

Python Bash Computer Forensics Flask R

### **Awards and Certifications**