

# Pranav Ramesh

[pranavramesh2022@gmail.com](mailto:pranavramesh2022@gmail.com) • +1 (267) 738-3510  
[github.com/laphatize](https://github.com/laphatize) • [linkedin.com/in/pranavramesh2](https://linkedin.com/in/pranavramesh2) • [pranavramesh.dev](https://pranavramesh.dev)

## **Education**

### **Bachelor of Science (B.S.) in Human Centered Design & Development**

*Minoring in Security Risk & Analysis*

Pennsylvania State University, State College, PA

*August 2022 - Present*

*Expected Graduation: May 25th 2026*

## **Work Experience**

### **Full Stack Software Engineer**

Knowt Inc.

*Feb 3rd 2023 - July 2nd 2023.*

- Incorporated ML powered learning flows
- Used Typescript, AWS, Terraform, & Next.
- Launched KnowtAI
  - GPT-4 enhanced learning experiences.

### **Chief Executive Officer, Lead Developer**

CTFGuide Corporation

*June 1st 2020-Present*

- Edtech company focused on cybersecurity education.
- 5,000+ active users
- Actively being developed by a team of 5 Penn State students.
- Uses React, Typescript, Express, & various AWS products for infrastructure.
- Enrolled in the "Fast Track Accelerator" program.
- Awarded \$45,000 in grants

### **Founder, Lead Developer**

NudgeAI

*September 12th, 2021 - Jan 4th, 2023*

- AI powered homework assistant.
- Utilized OpenAI API's.
- MERN stack

### **Software Engineering Intern**

Pennsylvania State University

*September 1st 2022 - Jan 12th 2023*

- Actively being developed by a team of 5 Penn State students.
- Uses React, Typescript, Express, & various AWS products for infrastructure.

### **Business Development Lead**

Candle Labs Inc.

*August 24th 2022-September 2022*

- Developed the Malta iOS app with React Native
- Designed the UI/UX for the app on Figma
- Implemented Plaid to allow users to link bank account to app.

### **Freelance Web Developer**

OrbitStones LLC

*September 20th 2019 - September 22nd 2019*

- Developed their company website and implemented an inventory management system.

### **Skills**

**Expert:** Typescript, Terraform, Socket.io, Javascript, Node.js, React, React Native, Git, AWS, MongoDB, Digital Ocean, HTML, CSS, Docker, Kubernetes, Apache Spark, Apache Kafka, Java, Redis, Prisma, PostgreSQL, and Google Cloud.

**Familiar:** Swift, C++, and Arduino.

### **Competitions**

#### **JPMorgan Chase Generation Tech Hackathon (2019, 2020)**

- Presented an app that would align with one of the United Nation goals
- Participated in this hackathon in 2019 and 2020 and won both times.

#### **University of Pennsylvania's PennApps Hackathons (2022)**

- Presented/Developed a web extension that would help students with ADHD stay focused when completing assignments.

#### **University of Delaware's Blue Hen CTF Competition (2020)**

- Placed 1st in the United States for University of Delaware's cybersecurity competition.