# Divyajyoti Ukirde

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## EDUCATION

**University of Florida**                                                        Gainesville, FL

*Master of Science : Computer Science*                                    08/2022 – 05/2024

- GPA: 3.94/4.0
- Relevant coursework: Computer & Network Security, Malware Reverse Engineering
- **Collaborated with Dr. Patrick Traynor** on Reproducibility Study of Machine Learning Papers in Tier 1 Security Conferences

**University of Pune, Pune Institute of Computer Technology**                      Pune, India

*Bachelor of Engineering : Computer Engineering*                          08/2016 – 06/2020

- GPA: 9.1/10.0

## TECHNICAL SKILLS

**Languages**: Python, Javascript, Erlang, C++, Java, HTML, CSS
**Frameworks/Libraries**: React.js, Nuxt.js, Node.js, Tailwind CSS, jQuery, Webpack, Ajax
**Developer Tools**: Notion, VSCode, git, Linux/Unix Systems
**Reverse Engineering Tools**: Ghidra, x32dbg, PEStudio, regshot, Process Monitor, FTKImager, Volatility

## EXPERIENCE

**Programmer (Intern)**                                                      05/2023 – 08/2023

*HHMI Biointeractive*                                                         Chevy Chase, MD

- Implemented version control on Github for **3+ versions** of the Model Builder interactive tool and established a staging environment on Netlify.
- Resolved grading algorithm issues and touchscreen bugs in the interactive models, improving overall functionality, accessibility and user experience.
- Demonstrated great understanding of **Redux state/actions** and leveraged **advanced Javascript** concepts to decouple 2 interactive models into 3 distinct types with component reusability in ReactJS.

**Senior Software Engineer**                                                 05/2022 – 08/2022

*PLG Works - True Sparrow*                                                       Pune, India

- Crafted boilerplate templates for **5 different frameworks/libraries**, successfully built and deployed **3 secure and responsive websites**.
- Created and launched 'Slackmin' product, garnering **500+ votes** and being featured on Product Hunt.
- Trained and guided **3+ junior developers**.

**Software Engineer**                                                        05/2020 – 04/2022

*Moxie - True Sparrow*                                                           Pune, India

- Developed features like the marketplace, on-demand videos, and payment for the virtual fitness platform with notable success in delivering the projects on time, attracting **100+ solo entrepreneurs**.
- Conducted interviews of **5+ candidates** for frontend roles.
- Designed an architecture for the discovery of virtual classes, implementing **10+ filters** and slashing **development time by 3x**.

**Engineering Intern**                                                       01/2020 – 04/2020

*OST - Open Simple Token*                                                        Pune, India

- Leveraged JavaScript OOP principles to develop wrapper programs for OpenST's Browser Wallet SDK.
- Created **3 levels of security** for user API and session key management in the browser.

## Projects

**Do Your Homework** | *GPU, Anaconda, Python, ML libraries*
- Analysis and Reproducibility Study of Machine Learning Papers in Tier 1 Security Conferences
- Analyzed **300+ research papers** from leading security conferences.

**Slackmin** | *Node.js, Slack API*
- Slack tool for Business Ops (**Won #1 Product of the Day** on Product Hunt)
- Optimized integration, reducing development time and company costs for dashboards and CRM-like tools.

**Swift Transfer** | *Android SDK, Firebase, Pokt Android SDK*
- An E-wallet based on Pokt Blockchain for making international transactions faster and cheaper
- Secured position among **top 10 finalists** in Devfolio hackathon

## Awards

**AWS AI & ML Scholarship Program**                                      06/2023
*AI Programming with Python Nanodegree*
- AWS has sponsored enrollment in Udacity's AI Programming with Python Nanodegree program

**Grace Hopper Scholar**                                      11/2019
*AnitaB.org*                                      Bangalore, India
- Won Student Scholarship at the Grace Hopper Celebration India held in Year 2019

## Community & Leadership

**Mentor**                                      01/2021 – 05/2021
*The Apprentice Project*                                      Pune, India
- Taught Scratch (block programming language) to **20+ high school students** from underprivileged backgrounds.
- Attained a **100% student certification rate**.

**Head of Partnerships**                                      02/2018 – 02/2019
*TEDxPICT*                                      Pune, India
- Successfully secured sponsorship from **5+ event sponsors**, demonstrating effective leadership.