

# Divyajyoti Ukirde

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Aspiring MSCS '24 Graduate | Open to opportunities for full-time roles as Full Stack Developer or Security Engineer in May 2024

## 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, Penetration Testing & Ethical Hacking, Cloud Computing Systems Management
- **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, SQL

**Frameworks:** React, Nuxt.js, Node, Tailwind CSS, jQuery, webpack, Ajax, REST/JSON, Docker, Kubernetes, nginx

**Developer Tools:** Notion, VSCode, git, Linux Systems, Serverless Functions Vercel

**Reverse Engineering Tools:** Ghidra, x32dbg, PESTudio, regshot, Process Monitor, FTKImager, Volatility

## EXPERIENCE

### Programmer (Intern)

05/2023 – 08/2023

*Howard Hughes Medical Institute*

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 scientific models using problem solving skills, improving overall functionality, (**WCAG 2.1 compliant**) accessibility and user experience.
- Demonstrated great understanding of **Redux state/actions** and leveraged **advanced Javascript** concepts to decouple 2 scientific 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 web applications** while collaborating closely with UX designers.
- Created and launched 'Slackmin' tool, 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

- Shipped features to production like the marketplace, on-demand videos, and payment for the high availability and large-scale virtual fitness platform with notable success in delivering the projects on time using agile methodologies. Attracted **100+ solo entrepreneurs** to the platform.
- Designed efficient and effective solution for the discovery of virtual classes, implementing **10+ filters** and **slashing development time by 3x**.
- Conducted interviews of **5+ candidates** for front-end roles.

### Engineering Intern

01/2020 – 04/2020

*OST - Open Simple Token*

Pune, India

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

## PROJECTS

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### Do Your Homework | *GPU, Anaconda, Python, ML libraries*

- Employed analytical skills for Reproducibility Study of Machine Learning Papers in Tier 1 Security Conferences over past **10 years**.
- Collaborated with **6 peers** and compiled comprehensive statistics from **750** research papers presented at leading security conferences; organized data into a spreadsheet; presented results graphically.
- Validated results from machine learning papers by implementing and executing the models then comparing the results to published performance metrics with only **20%** producing same results.

### Slackmin | *Node.js, Slack API*

- Slack tool for Business Ops (**Won #1 Product of the Day** on Product Hunt)
- Slackmin streamlines Slack integration in Node.js back-end applications by enabling custom tool creation to manage content, orders, reports, customers, and more.
- Implemented Slack wrapper methods to integrate the Slack API into the Organization's workspace, saving the tech team **100+ hours** of work building dashboards.

### 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 & CERTIFICATIONS

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### 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

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### Secretary

08/2023

*WiCyS Student Chapter*

University of Florida

### RTC Member

08/2023

*Rewriting the Code*

### Mentor

01/2021 – 05/2021

*The Apprentice Project - Teach for India*

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

*TEDxPICKT*

Pune, India

- Successfully secured sponsorship from **5+ event sponsors**, demonstrating effective leadership.