# JAI NARAYANAN

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## EDUCATION

**University of Michigan Ann Arbor**                                                                        *Expected Graduation, May 2025*
- Cumulative GPA: 3.78/4.0 | Relevant Coursework - Data Structures and Algorithms, Introduction to Computer Organization, Foundations of Computer Science, Discrete Math, Introduction to Computer Security, Introduction to Cryptography

## EXPERIENCE

**Kodely,** *Lead Software Engineer, CA*                                                                        *Feb 2022 - Present*
- Founding engineer at Kodely, a design thinking enrichment program for PreK–8th grade students, with a focus on tech literacy and entrepreneurship
- Created and deployed containerized microservice architecture on Kubernetes to guarantee availability of Kodely services
- Launched Kodely's instructor training platform to automate 68+ hours of manual instructor onboarding
- Developed Kodely's instructor scheduling platform to automate onboarding and create 70% efficiency with administrative tasks and scheduling

**Teladoc Health**, *Software Engineering Intern*, Purchase, NY                                *Jun 2021 - Aug 2021, May 2022 - Dec 2022*
- Spearheaded transition from REST to GraphQL to aggregate API calls and revamp data retrieval, leading to 40% faster response times and 100% reduction in API timeouts
- Initiated development of Python framework that integrated deployments on Jenkins pipelines with Salesforce to revamp application lifecycle management process
- Overhauled consumer UI using Salesforce lightning web components and integrated search and pagination functionality, dramatically improving UX

**vMeetingSpace**, *Full Stack Software Engineering Intern*, Brooklyn, NY                                *Dec 2020 - Jun 2021*
- Developed admin tools using Node and React for event organizers to use to design and preview virtual events
- Configured Github Action workflows to introduce CI/CD pipeline and implemented Kubernetes to maintain high availability for large virtual events with thousands of guests

**EventVestor**, *Quantitative Software Engineering Intern*, Princeton, NJ                                *Summer 2019, 2020*
- Automated sentiment analysis and classification of financial documents through SciKit machine learning models in Python trained to categorize texts by event type. Resulted in 45% efficiency over previously manual classification.
- Headed initiative to automate data gathering from SEC.gov daily by implementing HTML, CSV, and XML scrapers

## PROJECTS

- **Splunk CVE Checker:** Created Splunk add-on for Windows to identify CVE vulnerabilities present in the users applications and Windows version (Python, Splunk)
- **OSQueryManager:** Implemented osquery's remote API to create a management system to monitor a fleet of devices running osquery, so system administrators can identify potential security threats on their devices (Go, React.js)
- **HSS Clubs:** Virtual club fair platform built from scratch to serve as an online alternative in light of COVID-19 pandemic. Advertised 30+ clubs and reached 500+ students. (AWS, React.js, Node.js,)

## LEADERSHIP & ACTIVITIES

**Wolv Sec,** *Member*                                                                        *Jan 2022— Present*
- Active participant in Capture the Flag events that occur throughout the semester, with a particular focus on web security challenges (Sekai CTF, DownUnderCTF, JadeCTF, WolvsecCTF)
- Learning practical applications of security and developing skills in areas including reverse engineering, network security

**Michigan Algorithmic Trading**, *Software Developer*                                                                        *Sept 2021— May 2022*
- Developed algorithmic trading software and models to use in simulated market setting
- Participated in Cross Campus Network Spring event series with sessions hosted at Wharton, Michigan and other universities

**Coding Angels,** Founder and Instructor                                                                        *Jun 2016— Mar 2021*
- Volunteered at my local libraries every weekend to introduce K-8 students to the joy of programming
- Wrote 4-6 week curriculums for python, machine learning, and security to introduce basic computer science topics

## SKILLS & INTERESTS

**Technical:** Python, Rust, C/C++, JavaScript/Typescript, React Native, Go, Docker, SQL, GraphQL, Splunk, Azure
**Interests:** Security, distributed systems, open source, blogging