JAI NARAYANAN

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EDUCATION

University of Michigan Ann Arbor *Expected Graduation, May 2024*

- Cumulative GPA: 3.75/4.0 | Relevant Coursework - Data Structures and Algorithms, Introduction to Computer Organization, Foundations of Computer Science, Discrete Math

EXPERIENCE

Teladoc Health, *Software Engineering Intern*, Purchase, NY *May 2022 - Present*

- Headed revamp of Application Lifecycle Management using new Salesforce Class system, ensuring on time deployment of code and generating 50% greater efficiency for data audits

Kodely, *Lead Software Engineer, CA* *Feb 2022 - Present*

- Launched Kodely.io's instructor training platform using MVC architecture 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*

- 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
- Overhauled consumer UI using Salesforce lightning web components and integrated search and pagination functionality, dramatically improving UX
- Created testing framework to help improve quality of the codebase

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 preview virtual events
- Introduced Kubernetes to distribute network traffic, ensuring stability of event servers despite high traffic

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

- **OSManager:** Desktop app designed to identify and automatically deal with threats from invasive programs and other security issues by analyzing operating system information (Python, 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,)
- **Competitions Zone:** Platform to help students simplify their search for competitions based on relevance and location. Execute automation effort to transform manual data collection process and save 7.5+ hours per week by building out custom web scrapers. (HTML/CSS, JavaScript)
- **Social Scout**: Machine learning recognition web app designed to flag and identify potentially NSFW content on Twitter, semifinalist for the Quarter Zero Cup Entrepreneurship competition (Python, React.js)

LEADERSHIP & ACTIVITIES

Wolv Sec, *Project Lead* *Jan 2022— Present*

- Team leader for web security challenges at Capture the Flag events (Sekai CTF, DownUnderCTF)
- Initiated integration of club websites with UofM SSO services to keep track of member roles, attendance and CTF ranking
- Researching 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

SKILLS & INTERESTS

Technical: Python, JavaScript, Java, C++, SQL, GO, Angular, ASP, HTML/CSS, AWS, Azure, Elastic, Django, GraphQL
Hackathons & Competitions: MIT BluePrint, Euro Challenge, USACO, Wharton Investment Competition
Interests: Cybersecurity, soccer, investing, blogging, cloud computing