

# Bhaveshtadwar

(919)-264-4075 | [buittadw@ncsu.edu](mailto:buittadw@ncsu.edu) | [linkedin.com/in/bhaveshtadwar](https://www.linkedin.com/in/bhaveshtadwar) | [bhaveshtadwar.com](https://bhaveshtadwar.com)

## SUMMARY

Software Developer with 2+ years of experience in cloud-native applications, security, and scalable design. Proficient in React, Docker, and Kubernetes. Graduating in May 2025 and actively seeking full-time Software Developer roles.

## EDUCATION

**North Carolina State University**, Raleigh, NC, USA

Expected May 2025

Masters in Computer Science

GPA: 4/4

Related Courses: Algorithms, Computer Networks, DBMS, Cloud Computing, Software Security, Neural Networks

**Savitribai Phule Pune University**, Pune, India

May 2020

Bachelor of Technology, Computer Engineering

CGPA: 8.84/10

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Java, HTML, CSS
- **Tools:** React.js, Next.js, Svelte, Node.js, Docker, Kubernetes, Kafka, GitHub, Gitlab, OWASP ZAP, SonarQube, Azure, AWS, Apostrophe CMS, MongoDB, PostgreSQL, GraphQL, Tailwind, Figma, Rest API, Storybook
- **Methodologies:** Agile, Object-oriented programming, Micro-frontends, Atomic Design System

## EXPERIENCE

**Software Developer, Michelin**, Pune, India

December 2020 - July 2023

- Built a consumer program for **90,000+** customers leveraging **Svelte** for modular UI
- Integrated **Google Analytics** and **Kafka**, increasing customer retention by 13% through a loyalty program
- Improved multistep form widget with **Redux**, enabling seamless step transitions and enhancing user experience
- Integrated **Storybook** for an **atomic design system**, enhancing UI consistency and reducing review time by 20%

**Software Developer, Intern, Michelin**, Pune, India

January 2020 - May 2020

- Developed a responsive software dashboard utilizing **GraphQL**, improving **API management** efficiency by **30%**.
- Tested with **Mocha & Chai**, achieving 95% coverage and reducing production bugs by 40%.
- Mitigated vulnerabilities with **SonarQube**, eliminating 3–5 incidents of bad code/vulnerability monthly

**Software Engineer, Intern, Bluecoin IoT Solutions**, Pune, India

June 2019 - July 2019

OWASP ZAP, React, Java, SpringBoot, Hibernate

- Evaluated & resolved **OWASP top 10 vulnerabilities** with secure solutions using **SpringBoot**, and **Hibernate**
- Created a responsive **React** web portal, reducing load times by **15%** and enhancing UI responsiveness
- Conducted a security review leveraging **Quixxi**, identifying **12 vulnerabilities** and recommending fixes

## PROJECTS

### Serverless Blogging:

- Built a blogging platform with **Cloudflare Workers**, **Prisma**, and **React**, handling ~800 req/s with 75ms latency.
- Secured access with **JWT**, cutting unauthorized attempts by 90%.

### OpenEMR Security Analysis:

- Executed a security review of **OpenEMR 7.02**, identifying **30** critical vulnerabilities
- Secured the system with **SonarQube**, **OWASP ZAP**, **OWASP Threat Model** and **ATT&CK Framework**

### Cloud-Based Streaming Platform:

- Architected a global video game streaming platform, leveraging **AWS EC2**, **S3**, **CloudWatch**, **MongoDB Atlas**
- Validated auto-scaling with **Kubernetes**, **Minikube**, and **Locust**, achieving a 5x pod scale-up under 100 concurrent users while maintaining 50% CPU utilization.

## CERTIFICATIONS

- Certified in **Azure Fundamentals (AZ-900)** from Microsoft, validating core cloud and Azure service expertise.