

Bhaveshtadwar

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SUMMARY

Software Developer skilled in cloud computing, security, and scalable design. Proficient in React, Svelte, Docker, and Kubernetes, delivering efficient, secure, and user-focused solutions.

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, Svelte.js, Node.js, Docker, Kubernetes, Kafka, GitHub, Gitlab, OWASP ZAP, SonarQube, Microsoft Azure, AWS, Apostrophe CMS, MongoDB, PostgreSQL, Tailwind, Bootstrap, Rest API, SASS
- **Methodologies:** Agile methodology, Object-oriented programming, Web application development

EXPERIENCE

Michelin, Pune, India

December 2020 - July 2023

Software Developer (Full-Time) - Typescript, Apostrophe CMS, Svelte.js, MongoDB, Kafka, Google Analytics

- Built a consumer program for **90,000+** customers leveraging **Svelte** and **micro-frontends** 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
- Delivered a customizable panel slider widget, streamlining user interactions and improving operational efficiency

Michelin, Pune, India

January 2020 - May 2020

Software Developer - Intern (Full-Time) - SonarQube, Bootstrap, HTML, CSS, JavaScript

- Developed a responsive software dashboard utilizing **Bootstrap**, improving **API management** efficiency by **30%**.
- Mitigated vulnerabilities with **SonarQube**, eliminating 3–5 incidents of bad code/vulnerability monthly.

Bluecoin IoT Solutions, Pune, India

June 2019 - July 2019

Software Engineer - Intern (Full-Time) - OWASP ZAP, 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%**.
- Conducted a security review leveraging **Quixxi**, identifying **12 vulnerabilities** and recommending fixes.

PROJECTS

Cloud Cast:

- Developed a real-time weather tracking app using **Azure App Service**, **React**, **Tailwind** and **Container Apps**.
- Improved deployment speed by **50%** using **Azure Container Instances** and **Github Actions** for **CI/CD**.

Serverless Blogging:

- Built a scalable blogging platform with **Cloudflare Workers**, **Prisma ORM**, **PostgreSQL**, and **React**.

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**.
- Conducted experiments leveraging **Kubernetes**, **Minikube** and **Locust** to assess pod auto-scaling.