

# Shubham Chopade

Portfolio: shubhamchopade.com

Linkedin: linkedin.com/in/shubham-chopade

Email: shubhamchopade10@gmail.com

Mobile: +1-315-949-9067

## EDUCATION

- Syracuse University - College of Engineering & Computer Science** Syracuse, NY  
*Master of Science in Computer Science* Anticipated May 2023  
*Courses:* Operating Systems, Computer Architecture, Design and Analysis Of Algorithms, Databases, Android Programming, Blockchain
- Savitribai Phule Pune University - Pimpri Chinchwad College of Engineering** Pune, Maharashtra  
*Bachelor of Engineering in Electronics and Telecommunication* May 2015 - July 2019  
*Courses:* Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Embedded Programming, Networking

## SKILLS SUMMARY

- Languages:** JavaScript, Python, PHP, C/C++, SQL, Bash, Java, Kotlin, GraphQL
- Frameworks:** React, Redux, Webpack, UI/UX, Django, Flask, NodeJS, MERN, D3, Jest
- Tools:** Kubernetes, ES6, Docker, GIT, PostgreSQL, MySQL, SQLite, Webpack
- Platforms:** Linux, UNIX, Web, Windows, Android, iOS, macOS, Arduino, Raspberry Pi, AWS, Firebase, GCP
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- Viasat Inc.** Syracuse, NY  
*Software Engineer Intern (Full-time)* May 2022 - August 2022
  - Grafana Dashboard:** Measured and analyzed the quality of Zoom calls experience as a service over satellite network
  - Automation using Raspberry Pi:** Recurring Zoom calls and testing using Selenium and Python to generate and process the metrics to be stored over a Kafka topic and forwarded to the Production Database
  - Collaboration:** Worked closely with Senior Engineers in collaborative environment to understand the existing product and learn to integrate the new code in the production
- Grouoped Inc.** Syracuse, NY  
*Software Developer Intern (Part-time, On Campus)* January 2022 - May 2022
  - An App for Private Communities:** React-based social media application with technical documentation that helps the social-media influencers to build close-knit groups
  - Frontend Design:** Converted enterprise UI mockups to 20+ reusable front end components by leveraging ReactJS, Tailwind CSS and other web tools
  - Backend:** Built a robust infrastructure to store data on AWS S3, and backend in Python and JavaScript using collaborative efforts of 3 developers
- Freelance Web Developer and Designer** Pune, Maharashtra  
*Self Employed (Full-time)* June 2019 - July 2021
  - Shipped 4 professional paid projects:** Used JavaScript, React, Gatsby, Bootstrap, Typescript and Shopify by following the principles of Design Thinking Methodology and Agile Development
  - UI Mockups:** Designed projects right from planning mockups in Figma to delivering well documented products
  - Instagram Page:** Registered a business page - @tech.sapien around 25,000 followers to share my journey
  - Outcome:** Increased a client's business by about 50% after consulting and redesigning of one of the projects

## PROJECTS

- Mutualisim - Agent based modeling for Yeast (Micro-biology, Mutualism):** Designed and developed a simulator to study the behavior of Yeast in the presence of different environment parameters like Glucose and Lysine. The product is targeted to teach micro-biology concepts to school going kids. Tech: Python, React, D3.js, Figma (current)
- Sentiment Analysis using Twitter API (Web Application, Machine Learning):** Performed Sentiment Analysis over a month's cumulative data regarding COVID 19 booster dose to understand and scored it numerically from 0-10 in terms of positivity. Tech: Scikit Learn, Django, matplotlib (December '21)
- The Book Pundits (Web Application, Book Campaign platform):** This platform offers customized book tours and campaigns for your book. It allowed the authors to host book tours and the readers or influencers to review it on their own social media platform to push it to larger number of audience. Tech: React, Firebase, Javascript (January '21)
- Tech Sapien (Technical Blog, Tutorials):** A web app that teaches web development in the simplest manner. Planned small courses to understand CSS concepts such as Layouts, Styling and Animations. Tech: GatsbyJS, Tailwind CSS, AWS. (June '19)

## PUBLICATIONS

- Patent: "Internet of Things (IOT) based intrusion detection device, system and method thereof":** A provisional patent to be defended in late 2023. Application number: 201921003788
- Research Paper: Shubham Chopade, Sampada Dhole, "Smart Headlight System":** International Journal of Research in Engineering, Science and Management Volume-1, Issue-10, October-2018, pp 839 - 840