



# Siddhesh KHADAPKAR

## Software Engineer

Motivated and adaptable software engineer with 3+ years of experience in software development and AI-driven applications. Seeking challenges to leverage my technical skills to solve existing problems and contribute to product development and improvement initiatives. A collaborative problem-solver with international exposure through an exchange program in France, bringing technical expertise and a global perspective to dynamic teams.

### My official Website

- Glance through my official website to better help you make my hiring decision (use desktop for best visuals).
- <https://siddhesh-khadapkar-cv.netlify.app>

### Work experience

#### Junior Software engineer

From August 2021 to January 2024 **Herten Technologies Pvt. Ltd.** Navi Mumbai, India

- I had worked on many different projects as a developer while continuing my master's studies.
- I had worked on creating backend servers with Nodejs, Expressjs, Mysql, Sequelize.
- Nestjs and Redis to create microservices and register those services as NPM private packages. (to be only npm installed by our clients).
- Machine learning (Hybrid Filtering) to create a recommendation system.
- Spelling correction with NLTK and other packages for NLP.
- Used Multer and file system on multiple projects.
- Worked on cloud services like AWS (EC2, S3), GCP and Cloudinary for hosting and storage respectively.
- Worked on Laravel for adding api service to an existing project.

#### Short-Term Contract Project

August 2024 **Zero Latency Productions** Mumbai, MH, India

- A portfolio website for Creative department to showcase their work.
- Designed using Vuejs and deployed on Netlify.
- Link: <https://zerolatencyproductions.com>

### Education

#### Exchange Semester In Computer science

From February 2024 to June 2024 **University of Troyes** Troyes, France  
I successfully completed the program which is an integration to my two years master's program in India.

- Undertook courses focused on - Python, C programming, Interculture business management, CAD - Creo & CATIA, Student Project (Farm Bot), French A1.
- Created Backend Banking system with integration of C and Python (CTypes).
- Team Project to analyse a company's eligibility to go International - PEST, SWOT, etc analysis.
- Successfully led a team project on automating agricultural processes using Farm Bot Express XL.

#### Masters of Science in Information Technology

From August 2022 to June 2024 **Somaiya University** Mumbai, India

- *Two years program, Final CGPA: 8.27 / Grade: A*
- *Semester 4: Completed, as an exchange student in France.*
- *IOT mini project: Surveillance Defense System*

#### Bachelors of Science in Information Technology

From August 2018 to April 2021 **G.N Khalsa College** Mumbai, India

- Three years program, *Final CGPI: 7.42 / Grade: B+*
- *Final Year Project: Personal Virtual Assistant, app for Windows (similar to google assistant).*
- *Mini IOT Project: Hand Gesture System Control, for windows developed using Arduino.*

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🏠 304/B, Dattapratik chs,  
Kharegaon, Kalwa, Thane -  
400605, India

📅 23 years old

🇮🇳 Indian

☎ +91 8097887124

👤 Single

### Languages

English

Hindi

French  
A1

Marathi  
Native language

### Technical Skills

#### Core Specialty

- Full-Stack Development
- Web Hosting
- Application Architecture
- AI/ML Engineering
- NoSql, Sql & Vector database
- Cloud Services

#### Proficient

Python, Nodejs, Nextjs, ReactJS,  
MySql, MongoDB, Github, AWS (S3  
&EC2), REST API's, CSS

#### Intermediate

Nestjs, Microservices, C  
programming, Google Cloud  
Platform, Cloudinary, VectorDB,  
Redis

#### Tools





Git, Swagger, Postman, Bitbucket,  
Netlify, Vercel, Namecheap

#### Other skills

Documentation Management,  
Project Co-ordination, Package  
deployment, .exe creation

Video Editing, MS Word, PowerPoint,  
Excel, Photoshop

## Social networks

-  @siddheshkhadapkar3071
-  @siddhesh-khadapkar-649916176
-  @siddhesh-k
-  @14332805/siddhesh-khadap

## Personal Projects

### Krishna Consciousness AI Chat Application - 2024

- Chat application engineered on top of Bhagawad Gita. This engineered application increases the accuracy of the AI to generate solution more accurately with respect to lord Krishna's teaching based on users daily life problems.
- Developed with Nextjs, CI / CD with Git actions, Deployed on Vercel
- <https://www.krishna-consciousness.site>

### Student AI - 2024

- Designed a scalable AI-based RAG chat application reducing input parameter window to the LLM by 30% using Nextjs, FastAPI, MongoDB, Qdrant and Redis.
- Deployed on AWS with SSL and Domain
- Link: <https://student-ai-backend.cloud>

### Wiki ChatBot - 2024

- A RAG chat application that takes text input of Wikipedia Link and answers any question regarding the link provided.
- Saves user the time of manually search the specific detail on the page.
- Link: <https://wiki-chat-bot.vercel.app>

### Surveillance Defense System - 2023

- An IOT, project that monitors the surroundings of a specific length of area to detect intrusion and warns the intruder through visual LED and buzzer. And if not followed take action by firing paper gunshots.
- Created using: Arduino, Ultrasonic Sensors, Buzzer, Breadboard, LED, Motors
- *Virtual simulation:*
- [https://www.tinkercad.com/things/eQec3uziZSC-cool\\_albar?sharecode=cQi6FVqk0hB-A\\_bKW78y4RifKUBrLCwQWBG5awrqqiM](https://www.tinkercad.com/things/eQec3uziZSC-cool_albar?sharecode=cQi6FVqk0hB-A_bKW78y4RifKUBrLCwQWBG5awrqqiM)
- Virtual 3D Model:
- <https://www.tinkercad.com/things/6lQMUmIV4R-surveillance-defense-system-design>

### Advertisement Website - 2022

- A website to advertise your products or creativity with categories and give price tags, at the same time get likes and comments on your products.
- Key feature: Multiple ways to upload your Images.
- Designed using Nodejs, Express, EJS, Passport, MongoDB, Cloudinary
- Youtube Link: [https://www.youtube.com/watch?v=4xkZK2k\\_Rqk](https://www.youtube.com/watch?v=4xkZK2k_Rqk)

### Socialgram - 2022

- A social media app to post media
- Developed using Python, Django, Sqlite, Ejs
- Youtube Link: <https://www.youtube.com/watch?v=qE5hJN2Tudk>

### Color Game - 2021

- A game to enhance your understanding of color code.
- An HTML, CSS, and JavaScript single-page web application
- Live on Git Pages
- Link: [https://siddhesh-k.github.io/color\\_game](https://siddhesh-k.github.io/color_game)

### Pluto Virtual project -2021

- AI desktop-based virtual assistant, that can perform multiple tasks on your computer with voice or text commands. Integrated with Face recognition for accessing personal data. Provide real-time data from the internet. Connectivity with WhatsApp and email.
- A project, with the sole purpose of saving the user's data on his/her system instead of the cloud, maintaining security.
- Developed using: Python, Pandas, Sickit-Learn, Nltk, Open CV2, Tkinter, Sqlite, Pyautogui, tensorflow, etc.
- Vimeo Link: <https://vimeo.com/1028568096>

## Certificates

Cambridge institute: French A1 certificate - (2024)

Backend Web Development Program in Django Python - (2022)

Cyber Security Course - (2021)

Angular 8 - (2019)

## Interests

### Hobbies

Chess, Sketching, Sudoku, Computer Gaming, Develop mini software projects

### Other Interest

Traveling, reading biographies, mythology and history, watching movies and web series, *Science*