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Kharegaon, Kalwa, Thane -
400605, India
📅 24 years old
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🌐 <https://siddhesh-khadapkar-cv.netlify.app>

Languages

English

Hindi

French
A1

Marathi
Native language

Technical Skills

Core Specialty

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

Proficient

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

Intermediate

Nextjs, Microservices, C
programming, Google Cloud
Platform, Cloudinary, VectorDB,
Redis, Redux

Tools

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

Other skills

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

Video Editing, MS Word, PowerPoint,
Excel, Photoshop

Siddhesh KHADAPKAR

Software Engineer

Motivated and adaptable software engineer with 4+ 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, bringing technical expertise and a global perspective to dynamic teams.

Work experience

Software engineer

Since August 2021 Herten Technologies Pvt. Ltd. Navi Mumbai, India

- I worked on creating backend servers with Nodejs, Expressjs, Mysql, Sequelize.
- NestJS to create microservices and register those services as NPM private packages. (to be installed by our clients through NPM).
- Machine learning, Hybrid Filtering (Content-Based Filtering and Collaborative Filtering) to create a recommendation system.
- Created a ML model for Spelling correction with NLTK and other packages for NLP.
- Used Multer and the file system on multiple projects.
- I worked on cloud services like AWS (EC2, S3), GCP, and Cloudinary for hosting and storage.
- Worked on Laravel for adding an image generation Api service to an existing project.
- Hosted an AI image generation server on GCP for text-to-image using an existing stable diffusion model using Python.
- Worked on a RAG chat application using NextJS TS, GPT-4o API, UnSplash api with customised outputs for travellers to get a complete end-to-end itinerary for a desired place, time, type, category and description. Successfully implemented streaming to minimize the response time.
- Developed the frontend of 9 plugins and finance UI pages of a social commerce platform that allows users to create and sell access to various digital products. Using NextJS, VideoJS, Redux toolkit, and TailwindCSS. Plugins consisted of digital products like Courses, Podcasts, Events, Documents, Feeds, Forums, Chats, and Blogs like services.
- Developed a Face-Swap service in Python, which included face swap and an image enhancer model to deliver the final image output, using open-source models. Successfully managed to swap faces from multiple source images with multiple faces and enhance them.

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 Technology 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.

Certificates

Foundations of Project Management - (2025)

Cambridge institute: French A1 certificate - (2024)

Backend Web Development Program in Django Python - (2022)

Machine Learning with Python - (2021)

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*

Social networks

 @siddheshkhadapkar3071

 @siddhesh-khadapkar-649916176

 @siddhesh-k

 @14332805/siddhesh-khadap

Education

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.*

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
- Virtual 3D Model:
- <https://www.tinkercad.com/things/6lQMUomIV4R-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

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

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>