1. Your name *

   Omkar Shashikant Tilekar

2. Your email address *

   tilekaromkar14@gmail.com

3. Your phone number *

   9370699097

4. Your College *

   Pune Vidhyarthi Grihas College Of Engineering And Technology Pune

5. City where you stay *

Pune

6. Your Degree *

◯ B.E(Computers)

◉ B.E(IT)

◯ M.Sc(Computer Science/IT)

◯ M.C.A

◯ Other

7. Your pass out year *

◯ 2020

◯ 2021

◯ 2022

◯ 2023

◉ 2024

○ Other

8. Describe in detail a few of your best Projects, a little about its architecture and your role in the project. Try to be as elaborate as possible. *

Project Overview:
- **Company Name:** ArrayPointer Pvt Ltd
- **Employment Type:** Part-Time
- **Role:** Software Development Intern

Roles and Responsibilities:
As a Software Development Intern in the "Employee Investigation Software" project, your responsibilities include:
1. **Developing Front-end:** Working on the user interface (UI) of the software using Vue.js, Tailwind CSS, HTML, and JavaScript to create an interactive and user-friendly experience.
2. **Gathering Requirements:** Collaborating with clients to understand their needs and requirements for the software.
3. **Contacting with Backend Team:** Coordinating with the backend development team to ensure seamless integration of front-end and back-end components.
4. **REST API Testing:** Conducting testing and validation of REST APIs, possibly using Postman, to ensure they function correctly.
5. **Interactive User Interface:** Creating an intuitive and responsive user interface for the software.
6. **Project Name:** "Employee Investigation Software"

Technology Stack:
The project uses the following technologies:
- Front-end: Vue.js, HTML, CSS, JavaScript
- CSS Framework: Tailwind CSS
- Database: MySQL with SQLAlchemy
- Backend Framework: FastAPI
- Communication: REST API
- Cloud Services: AWS (EC2 for hosting, S3 for storage)
- API Testing: Postman

- Version Control: GitHub
- Development Environment: Visual Studio Code

Functionalities:
The software offers the following functionalities:
1. **Sign In:** User authentication for both Admin and Employee roles.
2. **Password Hashing:** Secure password storage using hashing techniques.
3. **CRUD of Employees:** Admin can perform CRUD operations on employee records.
4. **Admin and Employee Chat/Comments:** Interactive communication features.
5. **CRUD of Projects/Tasks:** Managing and tracking projects and tasks.
6. **Searching:** Capability to search for specific information within the application.
7. **Pagination:** Organizing and presenting data in manageable chunks.

Architecture:
The project follows a role-based architecture with separate logins for Admin and Employee roles. Here's a breakdown of the architecture:

- **Admin Role:**
  - Access to CRUD operations for employee records.
  - Ability to assign employees to projects.
  - CRUD operations for projects.

- **Employee Role:**
  - Dashboard displaying assigned projects.
  - Automatic grouping of employees working on similar projects.
  - Communication through GET/POST requests within project groups.

The architecture ensures that Admins have control over employee and project management, while employees have an efficient platform for collaboration and communication.

9. What according to you is the future of Generative AI applications? Write in detail. *

 In a nutshell, the future of Generative AI applications is all about making your life easier, more creative, and more fun. It's like having a super-smart friend who's always there to help you out, whether you're working, playing, creating, or

just having a chat. It's a future full of endless possibilities!

Generative AI is also helping out in medicine. It's like having a super-smart doctor by your side. It can analyze medical data faster and more accurately than ever before, helping doctors diagnose diseases and find new treatments.

Speaking of adventures, AI is also making a splash in the world of art and music. It can compose music that tugs at your heartstrings or paints pictures that look like they belong in a museum. You can collaborate with AI to create unique art that combines your ideas with its creativity.

10. What do you know about Equations Work and why do you want to join Equations Work? *

Equations work works in the domain of cloud solutions , mobile application development application and service modernization site reliablity engineering also developing the softwares using modern technologies like COMPUTER VISION , CONVERSATIONAL AI , DOCUMENT INTELLIGENCE . As I can see company's vision and working is matching with my ambitions so I want to join equation works