

Suyash Shirtar

suyashsshirtar2@gmail.com | +91 8010774827

EDUCATION

D.Y PATIL COLLEGE ENGINEERING AKURDI PUNE

BE AI and Data Science
CGPA: 9.20 | 2020-2024

GRPS COLLEGE , PUNE

XII Per : 81.08% | 2018-2020

MES SCHOOL BELHE, PUNE

X Per : 82.80% | 2017-2018

LINKS

- Github:suyashOP-2
- Leetcode: suyash5050
- CodeForces: SuyashR10
- Portfolio: suyashPortfolio
- geeksforgeeks: suyashsshirtar2

SKILLS

PROGRAMMING

languages

- Javascript
- Python
- SQL
- C++

frameworks and Library:

- React.js
- MongoDB
- Redux Saga
- Node.js
- Postgress
- Langchain
- TensorFlow
- PyTorch

Technologies:

- Docker
- AWS
- WebSockets
- GitHub

Problem Solving:

- Data Structure and Algorithm.

Hackathon:

- Frontend Fiesta by NSUT Delhi
- Accenture Innovation Challenge 2023

EXPERIENCE

VCHECK GLOBAL | Full Stack Developer Intern | July 2024-Jan 2025

- Developed and optimised customer-facing Portal UI platform, implementing best practices for clean, efficient, and user-friendly design using **React.js** and **Material UI**.
- Utilized **Redux-Saga** as middleware to efficiently manage state and handle asynchronous API calls.
- Ensured **clean, reusable code** across admin and customer-facing.
- Integrated **Sentry** for real-time error monitoring and performance tracking in **production**.
- Developed a **proof-of-concept (PoC)** comparing **FAISS** and **PGVector** for embedding retrieval using **Python**.
- Built a **PoC AI assistant** with **Django** and **Python**, integrating **LLMs** with **Sentence Transformers** for embeddings and **PostgreSQL vector DB**, and analyzed the output performance of **Gemini, Ollama, Claude, GPT, and Amazon Nova Micro**.
- Implemented **PGVector** with **Django** for efficient storage and retrieval of contextually relevant embeddings.

PROJECTS

VEHICLE AI | Link

- Developed and Deployed an **AI-powered car marketplace** using **Next.js** and **Tailwind CSS**, enabling dealers to list vehicles and users to explore options seamlessly.
- Integrated **Clerk** for authentication and **Supabase** with **Prisma ORM** for backend services and efficient database management.
- Established **role-based access controls**, granting dealers **administrative privileges** while allowing users to **schedule test drives** and **make purchases**.
- Utilized **Google Generative AI** to assist users in finding their ideal vehicles based on preferences and requirements.

MOVIX | Link

- **Build and Deployed** a Movie App which allows Users to Watch daily and weekly popular movies.
- Used **React js** and **CSS** for Frontend and Styling. Features include **Infinite Scroll, Lazy Loading, and Search-Based Result**.
- Users can **browse** an extensive collection with detailed **Info, Filters, and Recommendations**.

SKETCHX-PRO | Link

- **Developed and deployed** a Writer App to unlock creative potential and deliver a seamless writing experience with **Reactjs** as a Frontend and **Nodejs** as Backend.
- **Implemented WebRTC** for secure communication and **Socket.IO** for real-time collaboration.
- **Implemented features** including **undo/redo, color and font customization, erasing capabilities, and easy page download**.