

Atharva Shirke

Software Engineer (R&D)

atharvashirke77@gmail.com
Pune, Maharashtra, India
+91-9309794449
linkedin.com/in/shirkeatharva
github.com/atharva2001

About

Results oriented Software Engineer specializing in Python backend development, server management, and Extended Reality (XR). Proficient in leveraging Data Structures, Algorithms, and CI/CD pipelines to deliver scalable solutions. Adept at driving innovation and rapid adoption of emerging technologies in Agile environments.

Experience

Software Engineer. · Persistent Systems Limited. · Pune, India Sep '23 - Present

- Worked on Object Detection, implementing business use cases using YOLO.
- Collaborated on building a customGPT with LangChain and LlamaIndex for Retrieval- Augmented Generation(RAG).
- Developed embeddings for RAG models using OpenAI and OLLama, and stored them in Vector databases like Pinecone.
- Built React applications for Mixed Reality(MR)and Augmented Reality(AR) Proof of Concepts (POCs).
- Designed backend solutions via. FastAPI and MongoDB.

Software Engineer Intern. · Persistent Systems Limited. · Remote Jun '23 - Sep '23

- Employed as a Java Salesforce Intern.
- Learnt Java, HTML5, CSS3, JavaScript.
- Understood usage and implementation of Salesforce.
- Experienced in Python Development.

Machine Learning Intern. · Knowledge Solutions India · Remote Jul '21 - Sep '21

- Worked as a Machine Learning Intern in the organization.
- Learnt how machine learning algorithm behaves.
- Gained knowledge about neuralnetworks.
- Designed a Heart Disease Recognition model during the training.

Education

N B Navale Sinhgad College of Engineering | Bachelor's Degree

Computer Science · Grade: 9.7

Skills

API Design · Database Management · Git · Linux · Python · React · Web Development · Cloud Computing · Django · Java · JavaScript
· Vector DB · Version Control

Projects

Custom RAG · github.com/atharva2001/CustomRAG · Fast API, Python, Langchain

Created a custom RAG system tailored to a specific business need. Explored data storage and retrieval processes to optimize functionality.

Freelancers · github.com/atharva2001/Freelancers · Django, Python, SQLite3

A Django Web App connecting freelancers with job opportunities, simplifying the process of finding work.