



Tarun Madamanchi

## Professional Experience

**Job Role:** Software Engineer

**Company Name:** Knowledge Lens

**Employment Period:** Jan 17 2023 - Present

# Tarun Madamanchi

Software Engineer

## Project

### Project 1: KIPulse

**Role:** Backend Developer

**Tenure:** Jan 17 2023 – Jul 11 2023

**Skills:** PostgreSQL, Python, FastAPI, Elasticsearch, MongoDB

#### Responsibilities:

- Developed PostgreSQL queries for efficient employee data retrieval.
- Implemented leave management system with request tracking.
- Automated email notifications for leave approvals and updates.

### Project 2: UnifyTwin

**Role:** Backend Developer

**Tenure:** Jul 11 2023 - Present

**Skills:** PostgreSQL, Python, FastAPI, MongoDB, RedisDB, KairosDB

#### Responsibilities:

- Develop and maintain full-stack applications using Flask, FastAPI, and React.js.
- Design and implement RESTful APIs integrated with MongoDB, Redis, and PostgreSQL databases.
- Perform data manipulation and analysis using NumPy and Pandas, ensuring data integrity and accuracy.
- Collaborated with the team to enhance the functionality and user experience of the application.

## ACADEMIC DETAILS

**Qualification:** Computer Science Engineer

**University:** Visvesvaraya Technological University

**Tenure:** 2018 - 2022

## Skills Expertise On

- **Scripting Languages:** Python, Javascript
- **Servers:**
- **Web Technologies:** FastAPI, Flask, ReactJS, JavaScript
- **Data Bases:** MongoDB, PostgreSQL, RedisDB, KairosDB
- **Mapped skill set:**