



Aditya Kanawade

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EXPERIENCE

Itanta Analytics

Feb 2024 - Present

Trainee Software Engineer

1. Pareto Chart Component Development:

- Developed backend for interactive Pareto chart component using Python.
- Implemented **REST APIs**, **MongoDB** and **RabbitMQ** for data operations and real-time updates.
- Processed user configurations via API requests, enabling dynamic UI interactions.
- Leveraged RabbitMQ to communicate between the web server and Pareto component for efficient request handling.
- Executed database queries and processed results for analysis and PDF report generation.

1. GenAI for Data Analysis:

- Conducted keyword analysis to determine optimal chart types based on user queries.
- Implemented OpenAI Langchain **LLM** to generate SQL queries from natural language inputs.
- Developed an SQLite-based system to execute generated SQL queries.
- Utilized ECharts to dynamically plot data from executed queries.

ACADEMIC PROJECTS

Social Media Analytics Dashboard [GitHub Link](#)

Oct 2023

YouTube Data API, Python, Flask, JavaScript

- Developed a dynamic **Flask** application providing real-time analytics for YouTube and Instagram data.
- Successfully interfaced with **YouTube Data API** for comprehensive channel statistics and video analytics.
- Overcame security challenges in **Instagram data extraction**, enabling user-specific metrics without compromising sensitive information.

CheatFit Fitness Web Application [GitHub Link](#)

Jan 2023

Flask, ML, HTML

- Developed an app to estimate body fat percentage based on user measurements and provide personalized diet plans tailored to individual caloric needs.
- The body fat percentage is estimated using **Machine learning** model.
- The communication with the ML model is happens with help of **Flask API**.

TRAINING

- Acquired expertise in **Python**, OOP in Python, and key libraries for **Data Science** such as NumPy, Pandas, scikit-learn, Matplotlib, etc. in BrainOvision Solutions Pvt. Ltd. and implemented the same for predictive Maintenance of Aircraft Engines project.
- Gained proficiency in using JIRA for effective project management and Bitbucket for collaborative coding during my internship at Itanta Analytics.

EDUCATION

Viswakarma Institute of Technology, Pune
B. Tech (Artificial Intelligence and Data Science)

2020 - 2024

CGPA : 8.7

HSC (Maharashtra State Board)

2019 - 2020

Percentage : 88.15 %

SSC (Maharashtra State Board)

2017 - 2018

Percentage : 93.60 %

TECHNICAL SKILLS

Python

Django

C / C++

REST API's

Flask

JavaScript

Pandas

NodeJS

Numpy

MongoDB

OS

OOP

PUBLICATIONS

CheatFit: 360° Fitness Application
ICCIXAI-2023

Street Light Control System
IJRASET-2022

CERTIFICATIONS

Google IT Automation with Python
Professional Certificate

AWS Educate Introduction to
Cloud 101

Programming with JavaScript