KIRAN KRUSHNAKANT MUNGEKAR

mungekarkiran05@gmail.com | +91-8108412112 | linkedin.com/in/kirankmungekar | github.com/mungekarkiran

SUMMARY

Seeking a position to utilize my skills and abilities to achieve professional growth while being flexible, as well as to enhance my skills in order to contribute to the company's growth.

EXPERIENCE

Tata Consultancy Services (TCS) | *System Engineer*   *December 2022 - Present*

- **Design, develop, and maintain** Python-based applications, and scripts, adhering to industry best practices and coding standards for clean, efficient, and reusable code**.**
- Participate in code reviews, troubleshoot and resolve issues, identify bottlenecks, and integrate with databases and third-party libraries to **enhance overall functionality and performance**.
- **Automating end to end data pipeline** which can help to reduced time and improve process of the product.

Thinkgestalt.Tech | *Data Analyst*   *December 2020 - August 2022*

- **Collaborated** with 2 data analyst and 1 project head to implement and analyse given data.
- **Analyse, clean and visualize** different factors influencing the financial domain.
- **Determine and back-test** the factors leading to risk of the financial application.
- Contribute towards the development and deployment **micro-services module** for rapid, frequent and reliable delivery of large, complex applications.
- Create **Rest API's** using **Flask and Django** framework and help to integrate with different applications.
- Develop **visually impactful report** on Jupyter notebook to transform data into meaningful information as a **proof of concept**.

PROJECTS

Health and Wellness DIP Framework | *Tata Consultancy Services (TCS)*

- Efficiently **retrieve diverse data** from various sources, ensuring scalability for handling large volumes.
- Apply **business rules and logic** to transform data, deriving new fields or aggregating information as necessary.
- **Optimize loading processes** for speed, implement tracking mechanisms, and collaborate with stakeholders to align ETL processes with business objectives.
- Create application using **Python, PostgreSQL and AWS S3 Bucket.**

Automated Trading System | *Thinkgestalt.Tech*

- Created module based on functional approach and **OOPs** concepts using **Python** for **Statistical analysis** and **Logical implementation** of the system, Plotly for visualization.
- Contribute towards the development and deployment of **micro-services** based **Rest API's** in **Flask** framework with **MySQL** and **MongoDB** (NoSQL) database.
- Create application using **Python, Flask, Rest API, MySQL, MongoDB, Micro-services, Postman.**

Lead Generation for Sales | *Thinkgestalt.Tech*

- **Data scraped** from the web to reach out and offer our products and services to other companies on **B2B and B2C level**.
- Handled the web scraping part which helped the sales team to connect to clients hence contributing to **increase the revenue of the company by 2%.**
- Created module using **Python, BeautifulSoup, Selenium** and MS Excel.

<u>**Aqua Drone to Collect Floating Waste**</u> | *Thakur College of Engineering and Technology*
- An **embedded aqua drone prototype** created as an AI module integrate with mobile app to control and monitor the boat.
- Created as a proof of concept (**POC**) and the aim is to integrate the deep learning model with embedded system and **increase the accuracy by 5%**.
- Created module using **Python, Flask, Rest API, Deep Learning, Firebase, Computer Vision and Raspberry Pi**.

<u>**Car for Smart Cities - Smart Car**</u> | *St. John College of Engineering and Management*
- A module of **self-driving cars created as a prototype** with the help of deep learning and computer vision.
- Created as a proof of concept (**POC**) and the aim is to implement **CNN** that will **automatically drive a vehicle** in a real time scenario with **89.72%** accuracy.
- Created module using **Python, Deep Learning, Computer Vision, and Raspberry Pi**.

SKILLS

Languages and Software tools	**Data Analysis**	**Strength**
Python, HTML, CSS, MySQL, PostgreSQL, SQLite, MongoDB, Firebase, Flask, Django, Rest API services, Visual studio code, Raspberry Pi, Arduino.	Web Collection / Scraping, Data Visualization, Data Wrangling, Mathematical and Statistical Analysis, Data Pre-processing, Exploratory Data Analysis.	Time Management, Good Explainer, Self-Motivation, Problem Solving, Ability to work as an individual as well as in a team, Research.

EDUCATION

Thakur College of Engineering and Technology | *Master of Engineering (M.E.)*   *Mumbai | July 2019 - July 2021*
- **Master's in :** Information Technology – (Data Science)
- **CGPA :** 9.78 / 10
- **Relevant Work :** Python, Flask, Django, Rest API, Machine Learning, Deep Learning.

St. John College of Engineering and Technology | *Bachelor of Engineering (B.E.)*   *Mumbai | July 2015 - July 2018*
- **Bachelor's in :** Information Technology
- **CGPA :** 7.87 / 10
- **Relevant Work :** Python, Flask, Rest API, Machine Learning, Deep Learning, Firebase, Raspberry Pi.

Sardar Vallabhbhai Patel Polytechnic | *Diploma*   *Mumbai | July 2010 - July 2015*
- **Diploma in :** Information Technology
- **Grade :** 65.74 %
- **Relevant Work :** Core Java, Embedded C, HTML5, CSS3, MySQL.

Utkarsha Vidyalaya | *SSC*   *Maharashtra State Board | March 2010*
- **Grade :** 72.00 %

ACHIEVEMENT

- Design of an Aqua Drone for Automated Trash Collection from Swimming Pools Using a Deep Learning Framework (**Springer Publication**) | DOI:10.1007/978-981-19-9225-4_41
- Design & Implementation of Car for Smart Cities - Intelligent Car Prototype (**Springer Publication - Paper Code - 261**) | DOI:10.1007/978-981-13-3393-4_50 | Corpus ID: 86439097