**KIRAN KRUSHNAKANT MUNGEKAR**

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**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.

**Aqua Drone to Collect Floating Waste** | *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**.

**Car for Smart Cities - Smart Car** | *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](https://link.springer.com/chapter/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](https://link.springer.com/chapter/10.1007/978-981-13-3393-4_50)