**KIRAN KRUSHNAKANT MUNGEKAR**

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**SUMMARY**

Detail oriented Data Analyst and Data Engineer with 3+ years of experience in delivering high-quality data solutions. Skilled in Python, SQL, ETL, and Data Modeling, with a ability to lead projects from requirements gathering to deployment, optimizing ETL workflows, complex SQL queries, and delivering impactful BI reports, focusing on Business Process Improvement and Stakeholder Communication.

**EXPERIENCE**

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

* Managed and executed **ETL workflows**, ensuring data integrity and timely delivery while automating data pipelines to reduce manual effort by **30%**.
* Developed and optimized **complex SQL queries** and **joins**, supporting business intelligence reporting and decision-making.
* Led **end-to-end project management** for data engineering initiatives, including requirements gathering, data validation, unit testing, and stakeholder communication.
* Created detailed **technical documentation** and implemented **change management processes** to support ongoing operations and future enhancements.

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

* Led the development of **BI reports**, dashboards, and data visualizations, providing insights for business process improvement and the **financial domain**.
* Supported **data modeling**, database design, and ETL processes, Statistical Analysis, **optimizing workflows** and ensuring alignment with business objectives.
* Engaged in **troubleshooting**, problem-solving, and the development of micro-services modules for reliable and efficient application delivery.
* Created REST APIs using Flask and Django, documented technical specifications, and developed impactful reports for **data-driven decision-making**.

**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)