



Prasad Khandake

📍 Pune, India

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Profiles

[in prasad-khandake](#)

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Skills

Python

SQL

Microsoft Power BI

Tableau

Data Visualization

Cloud Computing

Exploratory Data Analysis

Machine Learning

Deep Learning

Natural Language Processing

Certifications

Google Data Analytics
Coursera

The 365 Data Science Program
365 Data Science

Generative AI Learning Plan for Developers
AWS

Foundations of Prompt Engineering
AWS

Interests

WordPress Website Development

Video Editing

Volunteering

MIT-WPU
Teaching Assistant

Assigned as Teaching Assistant of 3 months for Web Technology Teaching + Laboratory and 3 months for Digital Electronics Laboratory in MIT-WPU.

Computer Society of India
Member
July 2019 - June 2020

Strong foundation in data analysis with completion of the Google Data Analytics Professional Certificate. Expertise in utilizing Python, SQL, spreadsheets (Sheets and Excel), Tableau, and R for effective data analysis. Additional comprehensive course completed on generative AI, focusing on large language models without fine-tuning. Proven ability in project planning, prompt engineering, and application development.

Education

MIT World Peace University, Pune
Data Science and Analytics
7.62

July 2020 - Present
Master of Technology

Rajarambapu Institute of Technology
Information Technology
5.95

June 2014 - June 2020
Bachelor of Technology

Projects

Exploratory and Predictive Analysis of Olympic Data Using Web Scraping

- Developed and implemented Python web scraping techniques to collect data for ~200 countries across various websites.
- Analyzed medal distribution and discovered a significant correlation between being a host nation and the number of medals won. This translates to an 20-30% increase in medals for host countries.
- Built and deployed machine learning models to predict medal winners with an accuracy of 42%, potentially aiding strategic planning for future competitions.

Stock Market Price Analysis & Modeling (NSE)

[🔗 https://github.com/prasadkhandake/Stock-Market-Price-Analysis-Modeling-NSE-2](https://github.com/prasadkhandake/Stock-Market-Price-Analysis-Modeling-NSE-2)

- Analyzed 2 years of historical price data for NSE companies using Python and data analysis techniques to evaluate real-time stock market data.
- Observed a general decline in stock performance across companies due to the economic impact of the COVID-19 pandemic.
- Concluded that stocks consistently outperforming the S&P 500 (CIPLA.NS, ICICIBANK.NS, Reliance.NS, TCS.NS) could be potential long-term investments based on historical performance.

Deep Learning-Powered Web App for Animal Identification (TF, Flask)

[🔗 https://github.com/prasadkhandake/Deep-Learning-Powered-Web-App-for-Animal-Identification-TensorFlow-Flask-3](https://github.com/prasadkhandake/Deep-Learning-Powered-Web-App-for-Animal-Identification-TensorFlow-Flask-3)

- Developed a web application utilizing Deep Neural Networks (TensorFlow) to classify images and predict animal names using vgg19 pre-trained model.
- Trained the model on a large dataset of labeled animal images, achieving high accuracy above 90% in animal identification.
- Implemented Flask for a user-friendly web interface 1 for image upload and 2 for animal identification.

Global Sales Analysis & Interactive Dashboards (Microsoft Power BI)

[🔗 https://github.com/prasadkhandake/Global-Sales-Analysis-Interactive-Dashboards-Microsoft-Power-BI-4](https://github.com/prasadkhandake/Global-Sales-Analysis-Interactive-Dashboards-Microsoft-Power-BI-4)

- Utilized Microsoft Power BI to analyze global sales trends: \$29.35M in total sales, 60,000 products sold, and 18,000 customers.
- Created interactive dashboards to visualize sales data by region, product category, currency (USD highest at ~\$15M), and month (November highest at ~\$3.10M, February lowest at ~\$1.75M).

Publications

Exploratory and Predictive Analysis of Olympic Data Using Web Scraping
IJPRSE December 2022

[🔗 https://journal.ijprse.com/index.php/ijprse/article/view/756](https://journal.ijprse.com/index.php/ijprse/article/view/756)