

NAKSHATRA PAWAR

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EDUCATION

University of Southern California	Los Angeles, CA
Master of Science Applied Data Science	January 2025-Present
Dr. Vishwanath Karad MIT World Peace University	Pune, India
Bachelor of Technology Computer Science	July 2020-July 2024

EXPERIENCE

Integrated Decisions and Systems Pvt. Ltd	Pune,India
Associate Software Developer	July 2023-December 2023
<ul style="list-style-type: none">Managed and Fixed Bugs: Addressed and resolved bugs in the NGI segment of the G3 project, ensuring smooth service operationDeveloped and Maintained Software(G3 RMS): Contributed to software development and maintenance tasks, enhancing reliability of G3 productLeveraged Java, IntelliJ IDEA, Jira, Postman, RabbitMQ, and Studio3T for efficient bug management and software development	

TECHNICAL SKILLS

- Python, SQL, R, Spark, Hadoop, Tableau, Power BI, AWS, GCP, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy

PROJECTS

Covid-19 Analysis and Visualization	January 2024-March 2024
<ul style="list-style-type: none">Analyzed global COVID-19 data and created interactive visualizations (bar charts, line graphs, scatter plots) using Plotly Express.Evaluated the impact of preventive measures through data analysis and visual summaries.Utilized Python, Pandas, Matplotlib, and Google Colab for data processing and visualization	
Scraping Amazon Product Information	July 2023-November 2023
<ul style="list-style-type: none">Developed a script to scrape Amazon product information for data mining and collecting valuable insights using BeautifulSoupScraped product details from over 500 Amazon listings and saved data in a CSV file, enabling efficient analysis and comparison of pricing, reviews, and features for competitive market analysisLeveraged Python and BeautifulSoup to extract, parse, and analyze data from web sources	
Marketing Research with Machine Learning	March 2023-May 2023
<ul style="list-style-type: none">Built a binary classification model with 89% accuracy to predict customer acceptance of coupon offers, improving targeted marketing campaigns by 20%Analyzed customer behavior from 10,000+ coupon offers, identifying key decision factors using Python and machine learning toolsUtilized Pandas, NumPy, Scikit-learn, and Matplotlib for data analysis, modeling, and visualization	

PUBLICATIONS

Time series analysis and forecasting in Stock market - A survey	January 2023 - March 2023
<ul style="list-style-type: none">Surveyed methods for predicting stock market trends using time series analysis and machine learning, focusing on ARIMA and LSTM modelsHighlighted challenges in forecasting non-parametric, noisy, and volatile financial data, emphasizing model validation and economic factors	
Sound Classification & Two Speaker Diarization	July 2023 -November 2023
<ul style="list-style-type: none">Researched sound classification using NN, RNN, LSTM, and BiLSTM models on the UrbanSound8K dataset.Compared model performance, showcasing LSTM and BiLSTM’s ability to capture temporal dependencies for enhanced classification accuracy	

CERTIFICATIONS

- Complete Machine Learning and Data Science Bootcamp 2023- Udemy. (July 2023)
- Completed industrial training in IoT and Embedded Systems at Siemens Centre of Excellence, NITTTR, Bhopal in April 2023, with expertise in MindSphere, Siemens' cloud-based IoT platform for data analytics and predictive maintenance