

Vrushabh Valmik Jadkar

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Summary

B.Tech CSE student specializing in Artificial Intelligence with hands-on experience in Python, machine learning, and data analysis. Skilled in building real-time applications using TensorFlow, Keras, and Flask, along with data analysis. Eager to contribute to impactful software solutions using machine learning.

Skills

Languages: Python, SQL, HTML, CSS, Linux, Shell Scripting

Frameworks & Libraries: TensorFlow, Keras, Flask, Streamlit, Numpy, Pandas, BeautifulSoup

Tools & Platforms: Power BI, Docker, Git/GitHub, Linux

Key Skills: Machine Learning, Deep Learning, Data Analysis, Data Visualization, CI/CD

Education

D Y PATIL INTERNATIONAL UNIVERSITY PUNE, B Tech in Computer Science and Engineering **2021 - 2025**

- Coursework: Artificial Intelligence, Computer Science. | Aggregate: 82%

SAINIK SCHOOL SATARA, 12th CBSE (2020), 10th CBSE (2018)

- Coursework: Science (Physics, Chemistry, Mathematics).

Projects

STAMMER RECOGNITION SYSTEM

- Engineered a ConvLSTM-based model for detecting stammer patterns from audio inputs using Google Speech APIs with 88% accuracy.
- Integrated speech preprocessing, real-time stammer detection, and transcription functionalities in a Flask-based application.
- Designed the application architecture with future deployment readiness, ensuring scalability and real-time processing capability for speech input.
- Received a Letter of Recommendation from D Y Patil International University for this project, available [here](#).

DEEP LEARNING BASED PLANT DISEASE CLASSIFIER

- Built a CNN model using TensorFlow and Keras to classify 38 plant diseases from 54,000+ images with 84% accuracy. Published the research paper [here](#).
- Built a real-time disease detection web application using Streamlit, containerized with Docker for platform-independent scalability.
- Applied image augmentation and preprocessing to improve model generalization across varied plant data.

Internship

INTERN AT NOVANECTOR SERVICE PVT.LTD.

May 2024 - August 2024

- Built an interactive Power BI dashboard analyzing market trends across 20+ cryptocurrencies, improving insight delivery by 35%.
- Wrote optimized SQL queries to extract patterns from large datasets, reducing manual query time by 40%.
- Developed a dashboard using Power BI for cryptocurrency analysis by scraping real-time market data from the CoinGecko website using Python, BeautifulSoup.

INTERN AT SMARTTECH SOLUTIONS. MAHARASHTRA, INDIA

May 2023 - August 2023

- Developed a complete inventory management system for a retail shop and restaurant, reducing manual stock errors by 25%.
- Created responsive web interfaces using HTML, CSS, and JavaScript, improving load time by 20%.
- Collaborated with cross-functional teams to implement order handling, billing, and stock tracking features.