

Kashinath Kesale

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Education


Wadia College of Engineering, Pune Pune, India
Bachelor of Engineering - Electronics and Telecommunication Engineering 2022 - 2026

Experience

Data Science Intern Pune, India
Sofcon India Pvt. Ltd. Dec 2024 – Feb 2025

- Developed **machine learning models** for **predictive analytics**, specializing in **regression techniques**.
- Implemented **Random Forest Regressor**, achieving $R^2 = 0.9854$ on a **300,000+** record dataset.
- Optimized **feature engineering**, preprocessing, and **hyperparameter tuning** (**GridSearchCV**, **RandomizedSearchCV**).
- Worked with **Python**, **Scikit-learn**, **Pandas**, **NumPy**, **Matplotlib**, **Seaborn**, **Jupyter Notebook**.

Projects

Log Monitoring System — (Docker, Grafana, Loki, Promtail)  [Link](#) Apr 2025

- Developed a Dockerized logging pipeline using **Grafana Stack (Loki + Promtail)** to ingest, parse, and visualize structured JSON logs.
- Enabled filtering by **severity_text**, **instrumentation_scope**, and **observed_timestamp_rfc3339** for real-time observability.
- Automated deployment using **Docker Compose** and integrated **CI/CD via GitHub Actions** for continuous updates.

Flight Price Prediction Model (Python, Machine Learning)  [Link](#) Jan 2025

- Built and deployed a machine learning model using **Random Forest Regressor ($R^2 = 0.9854$)** to predict airline ticket prices.
- Processed **300,000+ flight records** with data cleaning, feature engineering, and categorical encoding.
- Developed insightful **data visualizations** using **Matplotlib** and **Seaborn** to highlight pricing trends.
- Deployed the model as a **Flask-based web application** for real-time user interaction.

Technical Skills

Programming Languages: Java (DSA), JavaScript

Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS, JavaScript

Frameworks: Tailwind CSS, Bootstrap

CS Fundamentals: Data Structures and Algorithms, DBMS, OOPs, Computer Networks

Databases: MySQL, MongoDB

Tools & Platforms: Git, GitHub

Certifications

- **Computer Networking - CISCO(Ongoing)**
- **Java DSA Certification - Apna College**