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 $\mathbf{R^2 = 0.9854}$ 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

Personal Portfolio Website (*React.js, Tailwind CSS, Vercel, GitHub CI/CD*) Link   May 2025

- Built and deployed a fully responsive portfolio website to showcase projects, skills, and contact information using **React.js** and **Tailwind CSS**.
- Integrated smooth navigation, scroll animations, and mobile-first design; automated deployment via **Vercel** using **GitHub CI/CD**.

Log Monitoring System (*Docker, Grafana, Loki, Promtail*) ⬡ Link   Apr 2025

- Dockerized logging pipeline using **Grafana Stack (Loki + Promtail)** for JSON log ingestion, parsing, and visualization.
- Implemented filtering by **severity_text**, **instrumentation_scope**, and **observed_timestamp_rfc3339**.
- Automated deployment with **Docker Compose** and integrated **CI/CD via GitHub Actions**.

Flight Price Prediction Model (*Python, Machine Learning*) ⬡ Link   Jan 2025

- Developed a machine learning-powered system using **Random Forest Regressor ($\mathbf{R^2 = 0.9854}$)** to estimate flight fares based on airline, route, stops, and duration from **300K+ real-world records**.
- Built an interactive **Flask web app** with real-time predictions and deployed it with a user-friendly interface; handled full pipeline including preprocessing, model training, and integration.

Technical Skills

Programming Languages: Java, JavaScript
Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS
Frameworks: Tailwind CSS, Bootstrap CSS
Databases & Backend: SQL, MySQL, MongoDB, RESTful APIs
Developer Tools Git, GitHub, Docker, VS Code
CS Fundamentals: Data Structures and Algorithms, DBMS, OOP, Computer Networks

Certifications

Computer Networking (CISCO), Java DSA (Apna College)