

# Om Bukkawar

Email: om31104bukkawar@gmail.com

GitHub: github.com/om31104 Mobile: 9365122247

LinkedIn: linkedin.com/in/om-bukkawar-772555297/



## Education

- **Vishwakarma Institute of Technology**  
*Bachelor of Technology in Information Technology; CGPA: 8.85*

Pune, India  
Sept. 2023 – Present

## Skills

- **Programming Languages:** C++, C, HTML, R, MySQL

## Technologies

- **DSA and Problem Solving**
- **Database & Systems:** Database Management (SQL & NoSQL)
- **Data Science**
- **Object Oriented Programming**
- **Operating System**
- **Computer Graphics**

## Projects

- **Smart Monitoring System for Sensitive Packages:** Developed an IoT-based package monitoring system integrating sensors (MPU6050, NEO-6M, DHT11, MQ135) with NodeMCU (ESP8266) for real-time tracking of shock, orientation, temperature, humidity, air quality, and location. Designed a Flask-based server for user authentication, dynamic threshold configuration, real-time data visualization, and historical trend analysis. Implemented alert mechanisms for threshold breaches, enhancing package safety and optimizing logistics.
- **Employee Promotion Predictor:** Built a machine learning model to predict employee promotions using demographic, performance, and job-related metrics. Preprocessed data with missing value handling, feature selection, and SMOTE for class balancing. Implemented multiple classifiers (Decision Tree, Random Forest, XGBoost, AdaBoost, KNN, SVM, Naïve Bayes) to optimize accuracy and support data-driven HR decisions.
- **Bank Account Simulator** – Implemented a banking system in Java, showcasing OOP principles like encapsulation, inheritance, and polymorphism. Designed features including account creation, deposits, withdrawals,

## Publications

- **EcoKinetics: Generating Electricity from Speed Breakers:** Mukta Shabd Journals
- **Smart Bridge: Automatic height increase during flood:** First International Conference on Applied Artificial Intelligence and Machine Learning ICAAIML - 2025