

# ANIKET VISHWAKARMA

MUMBAI, MAHARASHTRA, INDIA

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## PROFESSIONAL SUMMARY

IT professional with hands-on experience in transforming data into actionable insights, building scalable solutions, and applying data-driven approaches to solve real-world problems. Skilled in deploying ML models, web applications, and backend development.

## SKILLS

PROGRAMMING LANGUAGES	Python, C++, JavaScript, SQL
TECHNICAL SKILLS	Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Computer Networks, Linux, AI, Machine Learning & Algorithms, Computer Vision, Natural Language Processing, Data & Predictive Analytics, Data Engineering & Visualization, Debugging
TOOLS & FRAMEWORKS	Pandas, NumPy, Matplotlib, Scikit-learn, OpenCV, MediaPipe, Flask, REST API, Jupyter Notebook, Git, VS Code, MySQL, Tableau, Power BI
SOFT SKILLS	Adaptability, Attention to Detail, Critical Thinking, Problem Solving, Communication

## PROJECTS

### GESTURE RECOGNITION & CONTROL SYSTEM | [DEMO](#)

AUG 2025

- Developed a real-time hand gesture recognition and control system using **computer vision and machine learning** to enable touchless interaction, with reliability enhanced through **gesture smoothing** techniques.
- Collected and labeled a custom dataset of **3,200 samples across 8 gesture classes**, applied preprocessing and trained a **Random Forest model**, achieving **~95% classification accuracy**. Integrated the model with **pynput** to map gestures into keyboard and mouse, with applications in VR/AR, healthcare, assistive tech, and gaming.

**Technologies Used:** Python, OpenCV, MediaPipe, Scikit-learn, Pandas, NumPy, Joblib, Pynput, GitHub

### MUSIC FORECAST | [DEMO](#)

JUNE 2025

- Developed a ML model for music popularity forecasting on a custom dataset of **202 songs** using **Linear Regression, Random Forest, and SVR**, optimized via **GridSearchCV, cross-validation, residual analysis, and learning curve**. Performed **feature engineering, one-hot encoding, and data scaling**.
- Implemented a **prediction pipeline** that forecasts the popularity of new songs based on key features, with applications in music recommendation systems, trend forecasting, and content strategy.

**Technologies Used:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Pickle, GitHub

### MOOD PREDICTOR | [DEMO](#)

APRIL 2025

- Designed and trained a **text classification model** on a custom conversational dataset of **200 samples** to predict user mood, applying **NLP preprocessing and TF-IDF vectorization**, and achieved **~92% accuracy with an F1-score of 0.90**.
- Deployed the model and vectorizer into a production-ready **Flask web app with REST API** endpoints, enabling real-time mood predictions through a responsive web interface with applications in mental health and conversational AI assistants.

**Technologies Used:** Python, Pandas, Scikit-learn, Flask, Joblib, Render, GitHub

### TWOWHEELSONRENT | [DEMO](#)

MAR 2024

- Built a **two-wheeler rental platform** using HTML, CSS, JavaScript for front-end, and **Firebase** for back-end to simplify rentals for commuters and tourists.
- Implemented **user and admin panels** with secure authentication, real-time data storage, input validation, and deployed the platform on **Vercel** and integrated GitHub for version control.

**Technologies Used:** HTML, CSS, JavaScript, Firebase, Vercel, GitHub

## WORK EXPERIENCE

### ASSOCIATE – WIPRO, NAVI MUMBAI

JULY 2024 – DEC 2024

- Applied **critical thinking and problem-solving** to consistently deliver tasks within deadlines while collaborating with cross-functional teams and led process streamlining, system bottleneck identification, and resolution of production challenges.
- Coded and managed **ANSI X12 834 EDI files**, enabling real-time data updates on the exchange side and improving production efficiency by reducing errors by **99%** through process optimization and data validation.

## EDUCATION

### VPM'S R.Z. SHAH COLLEGE, UNIVERSITY OF MUMBAI

SEPT 2021 – OCT 2024

Bachelor of Science (B.Sc.) in Information Technology | CGPA: 7.05/10

### WAMANRAO MURANJAN JUNIOR COLLEGE, MUMBAI

JUNE 2020 – JULY 2021

Higher Secondary Certificate (PCMB) | Percentage: 79.17%