DURVANKUR RASAL

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EDUCATION

Vishwakarma Institute Of Information Technology,   Pune, MH
Bachelor of Technology in Artificial Intelligence and Data Science Engineering,   2022-2026(Expected)
- CGPA : 8.38

Vidya Pratishthans college, Baramati,   Pune, MH
12th State Board,   2022
- Secured 79.33%

TECHNICAL SKILLS

Languages:
- **Experienced:** C, C++, Python
- **Intermediate:** Javascript

FrameWorks:
- **Frontend:** Reactjs, Tailwindcss
- **Backend:** Nodejs, Expressjs

Data Science: Data Analysis, Machine Learning, Deep Learning
Databases: MySQL, MongoDB
Developer Tools: Git/Github
Fundamentals: Object Oriented Programming (OOP), DBMS, Data Structures, Algorithms, Operating Systems

CERTIFICATIONS

- Fundamentals of Deep Learning (**Nvidia**).
- Python Fundamentals (**Infosys**).

PROJECTS

Crop Recommendation System | *Python, Logistic Regression, K-means, Streamlit*   Sep 2024

- predictive model to suggest optimal crops based on climate conditions such as rainfall, pH, temperature, humidity, and soil nutrients (N, P, K).
- Applied logistic regression for crop prediction and K-means clustering to group similar crops.
- Visualized data insights for better understanding of crop patterns and climate factors.
- Deployed the solution as a user-friendly web app using Streamlit.

HealthNodes - AI-Powered Healthcare Assistant | *Python, FastApi, NLP, Deep Learning,React*   Feb 2025

- Disease Diagnosis: Uses NLP and Logistic Regression to predict diseases based on user symptoms.
- Skin Disease Detection: Employs a Deep Learning Sequential model to analyze uploaded skin images.
- Smart Reminders Chatbot: Sends medication reminders via email and provides health assistance through a chatbot.

Job Portal | *MongoDB, Node, JavaScript, React*   Dec 2024 - Jan 2025

- Developed a full-stack job portal using MongoDB, Express.js, React (Vite), and Node.js, featuring user authentication, job listings, applications, and admin management.
- Implemented Redux Toolkit for state management, Multer for file uploads, custom hooks for job retrieval, and ShadCN UI for a responsive design.
- Built admin functionalities for managing jobs, applicants, and companies, including job search, filtering, application status updates, and role-based access control.