

NIKHIL GORAL

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SUMMARY

Data Science enthusiast skilled in Python, Machine Learning and full-stack development. Passionate about building AI technologies and web applications. Experienced in supervised and unsupervised learning, classification models, feature engineering, data preprocessing, and exploratory data analysis. Proficient in developing intelligent systems optimized for accuracy, performance, and user-centric design, with hands-on experience integrating REST APIs. Committed to creating AI-driven solutions that solve real-world problems, with a strong interest in roles such as Data Scientist, ML Engineer and AI Developer.

TECHNICAL SKILLS

Languages: Python, Java, C++, SQL, C, R, HTML, Flutter

Frameworks & Library: Flask, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Pickle, TensorFlow, NLTK

Database: Supabase, MongoDB, MySQL, PostgreSQL

Tools: Git, GitHub, XAMPP, VS Code, Anaconda, Android studio, Google colab

Others: REST APIs, Kaggle, N8N, PowerBI

EXPERIENCE

Smart India Hackathon 2024 – Finalist

Team: The Secret Coders | Ministry Problem Statement | Aug - Dec 2024

- Selected as a **finalist** in a national-level hackathon for solving a real-world problem proposed by the Government of India.
- Collaborated with a 6-member team to build a robust and scalable tech solution using **Supabase, Flutter**, and analyzed dynamic hospital data to build effective solutions.
- Gained hands-on experience with teamwork, rapid prototyping, problem-solving under pressure, and real-time data processing.

Google Developer Student Clubs (GDSC) – Python developer

Developer & Learner | 2023-24

- Collaborated with the tech team to build and support projects using Python in workshops, hackathons, and community events, engaged with a student audience.
- Simplified Python concepts and supporting project-based learning.
- Selected as a core member of the Python development team at GDSC, contributing to internal tools and community workshops.

Leadership & Volunteering - Technology Outreach Mentor

Local School / DataTech club | March 2025

- Delivered an interactive session on emerging technologies to 8th–9th grade students.
- Introduced students to programming fundamentals, AI, and real-world applications of ChatGPT.
- Developed learning materials and engaged students through hands-on demonstrations.

PROJECTS

SwasthaPath (HDMS) — Selected for Smart India Hackathon 2024

Tech Stack: Flutter, Supabase

- Developed a Health Data Management System to rapidly analyze and report disease outbreaks in specific cities.
- Implemented predictive analytics to forecast potential disease spread using historical data.
- Enabled real-time alerts to central authorities for timely action and containment.

Personal Healthcare Assistant

Tech Stack: Python, Machine Learning (SVC), MySQL, Flask, Pandas, Pickle, HTML/CSS

- Built ML-based classification model to act as a personal health advisor by predicting possible diseases based on user-input symptoms.
- Integrated a supervised learning model (SVC) to predict diseases based on user symptoms.
- Developed a secure **login system** to manage individual user accounts.
- Retrieved and displayed **disease-specific information** that can assist user.

Movie Recommender System (Netflix-like)

Tech Stack: Python (Pandas, Scikit-learn, Flask, Pickle, nltk), REST API, HTML

- Built a movie recommendation system that suggests similar movies based on tags using content-based filtering.
- Cleaned and preprocessed metadata using Pandas to extract relevant features like **genres**, **keywords**, **cast**, and **overview**.
- Vectorized textual data using **CountVectorizer** and removed **stopwords** with **NLTK** to create a bag-of-words model.
- Calculated **cosine similarity scores** between movie vectors to recommend the most similar titles.
- Integrated with the **OMDb (The Movie Database) REST API** to fetch High-quality **movie posters** dynamically.

EDUCATION

DR. D Y Patil College Of Engineering, Kolhapur (Expected 2026)

Bachelor's in computer science engineering (Data Science)

Expected CGPA: 8.5

- Relevant Coursework: Object Oriented Programming, Databases, Discrete Math's, Statistics, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Feature Engineering, Fundamental of Data Science

GURUVARYA GURUNATH VITHALRAO PATIL JUNIOR COLLEGE, HALKARNI (2022)

HSC

Per: 71%

SGVN, CHANDGAD (2020)

SSC

Per: 93.40%

ACHIEVEMENTS

Selected for Final in **Smart India Hackathon 2024**.

Selected for Indian Regional Bootcamp in Solution Challenge arrange by Google Developer Group.

Winner in **ML TechSphere**, National level technical event held in Kolhapur

NMMS merit scholarship (2018)

COURSES & CERTIFICATION

Python for Data Science – NPTEL

Machine Learning – NPTEL

Deep Learning for developers – Infosys Springboard

Agile scrum in practice – Infosys Springboard

Data Analysis – Microsoft and LinkedIn