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Portfolio: <https://gokulkiranportfolio.vercel.app>

# GOKUL KIRAN

## SKILLS

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**Programming Languages:** Python, JavaScript

**Front-End:** HTML, CSS, React, Next.js, Tailwind CSS

**Back-End:** Node.js, Express.js, Flask

**Databases:** MySQL, PostgreSQL

**Machine Learning:** TensorFlow, PyTorch

**Data Visualization:** Matplotlib, Seaborn, Jupyter notebook

## PROJECTS

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### E-Commerce Platform with React and GraphQL

- Developed an e-commerce web application using React, GraphQL and PostgreSQL.
- Deployed a scalable backend with Node.js, Express.
- Implemented a responsive UI with styled components and secure JWT-based authentication.

### Conversational Chatbot using DialogFlow

- Developed a conversational chatbot using Next.js and DialogFlow enabling users to ask questions about me.
- Styled with Tailwind CSS for a responsive UI and deployed on Vercel.
- This project demonstrates my full-stack expertise in web development, NLP integration, cloud deployment and building conversational chatbots.

### Face Mask Removal using GAN Model

- Developed a GAN-based model to reconstruct masked faces by generating plausible facial features.
- Trained the model on FFHQ dataset and tested it using standard image quality metrics.
- Utilized OpenCV for data preprocessing, including face detection, cropping to prepare the dataset for model training.

### Weather Web App

- Created a web app to display real-time weather data based on user-input city names.
- Integrated OpenWeatherMap API to fetch weather information. Deployed on Vercel.
- Used Bootstrap framework and a colour gradient animation background that changes with temperature of the searched place.

## COURSES

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### Udemy

- Complete Full Stack Web Development Bootcamp
- 100 Days of Code: Complete Python Bootcamp

### Coursera

- OpenAI GPTs: Creating your own custom AI Assistants.

## EDUCATION

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Bachelor of Engineering in Computer Science – CGPA 8.2  
Misrimal Navajee Munoth Jain Engineering College (2020 - 2024)