

DHEERENDRA VIKRAM DIXIT

Sitapur, Uttar Pradesh

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GitHub: github.com/Dheerendra-123 Portfolio: www.dheerendra.in

Professional Summary

Enthusiastic and detail-oriented Web Developer and Software Engineer with a strong foundation in full-stack development. Proficient in modern web technologies including HTML, CSS, JavaScript, React.js, Node.js, and Python. Hands-on experience with building responsive web applications, RESTful APIs, and implementing backend logic using Django and Express.js. Quick learner with a problem-solving mindset, eager to contribute to dynamic development teams and deliver impactful software solutions.

Technical Skills

Programming Languages: C, C++, Python
Frontend: React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Material UI, Redux, Responsive Design
Backend: Node.js, Express.js, REST API, JWT
Database: MongoDB, Mongoose ODM, SQL
Tools & Methods: Git, GitHub, VS Code, Postman, Webpack, npm
Deployment: Heroku, Railway, Netlify, AWS (basic), Vercel
Others: AI/ML, OpenCV

Projects

College Lost and Found Center | *MERN Stack, Redux, JWT, Authentication, Material UI, Nodemailer*

- Developed a comprehensive lost and found platform with user authentication.
- Implemented form-based reporting for lost/found items with image upload, location tracking, and contact details
- Created categorized display pages for lost and found items with detailed view functionality
- Built claim request system with automated email notifications to item reporters
- Created interactive statistical page displaying total lost, found, and claimed items via bar charts and pie charts for claimed/unclaimed items
- *GitHub:* <https://github.com/Dheerendra-123/LostAndFoundCenter> — *Live Demo:* <https://lostandfound.dheerendra.in>

Tic-Tac-Toe Game | *React, Material UI, AI Algorithm, Web Audio API*

- Developed an interactive Tic-Tac-Toe game with options to play against AI or another human player
- Implemented AI opponent using alpha-beta pruning algorithm for intelligent move selection
- Added sound effects for game actions using Web Audio API to enhance user experience
- Created a statistics tracking system to record wins, losses, and draws across multiple games
- Designed responsive UI with Material UI components for seamless play across devices
- *GitHub:* <https://github.com/Dheerendra-123/Tic-Tac> — *Live Demo:* <https://tic-tac-toe.dheerendra.in>

Personal Portfolio Website | *React, Material UI, Web3Forms API, PDF.js*

- Designed and developed a responsive personal portfolio website to showcase professional experience and projects
- Implemented resume viewing and download functionality with interactive PDF display
- Created certificate gallery with zoom capability for detailed inspection
- Integrated Web3Forms API for secure and spam-protected contact form submissions
- Built project showcase section with direct links to GitHub repositories and live demos
- *GitHub:* <https://github.com/Dheerendra-123/Portfolio> — *Live Demo:* <https://dheerendra.in>

TomatoMeal Food Ordering Website | *React, Context API, Custom API, CSS3*

- Designed and built a responsive food ordering platform with clean, intuitive user interface
- Implemented category-based filtering system allowing users to browse menu items by food type
- Developed shopping cart functionality with add/remove capabilities and real-time total calculation
- Utilized React Context API for efficient state management across components
- *GitHub:* <https://github.com/Dheerendra-123/Food-Delivery-Website> — *Live Demo:* <https://tomatomeal.dheerendra.in>

AI Virtual Assistant | *Python, APIs (WolframAlpha, Google, NASA, Wikipedia), Web Automation, Speech Recognition*

- Developed a multifunctional AI assistant with custom chatbot supporting diverse APIs such as WolframAlpha, Google Search, NASA, Wikipedia, and YouTube
- Integrated desktop and browser automation features for hands-free control and task execution
- Added utility features like dictionary lookup, real-time translation, web scraping, and color detection
- Designed and built interactive custom games within the assistant interface for user engagement

Computer Vision & ML Projects | *Python, OpenCV, scikit-learn, TensorFlow*

- **Text Recognition System:** Built an OCR-based application using OpenCV and Tesseract to extract text from images and real-time video input
- **Object Detection:** Developed an object detection system leveraging pre-trained deep learning models (YOLO/SSD) for real-time object tracking
- **Face Recognition System:** Implemented facial recognition using OpenCV and face encodings for secure identity verification and real-time detection

Internship Experience

Softpro India

June 2024 – August 2024

Intern – Python with Django

Lucknow

- Collaborated with a team of 4 developers to design and develop a full-featured Learning Management System (LMS)
- Built scalable and reusable Django views and templates for student, teacher, and admin portals

Education

Shri Ram Murti College of Engineering and Technology

August 2021 – May 2025

Bachelor of Technology in Computer Science

Bareilly

- Relevant Coursework: Data Structures, Algorithms, Web Development, Database Management, Software Engineering
- Final Year Project: MERN Stack College Event Management System

Certifications

- ISRO URSC Rover Challenge Appreciation Certificate - Qualified Round 1 (March 2025)
- Python With IOT Workshop (April 2023)

Languages

English (Fluent), Hindi (Native)