BHUSHAN BHOMKAR

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Dinesh Nagar Ella old-goa, Goa.

PROFILE

A passionate Software Developer with strong web development skills, experienced in building responsive, user-friendly, and efficient solutions using HTML, CSS, JavaScript, React, and Flutter. Actively expanding expertise in Artificial Intelligence and Machine Learning, with a keen interest in applying intelligent technologies to solve real-world problems. A dedicated learner with proven leadership potential, eager to contribute to innovative projects and thrive in a dynamic tech environment that values creativity, growth, and collaboration.

PROJECTS

Agri-smart portal for farmers using ML

Developed a comprehensive web-based platform using Next.js to assist farmers—especially paddy cultivators—by providing early detection of crop diseases and pests, and paddy guide.

- Designed and deployed a CNN-based hybrid ML model to identify crop diseases from leaf images with high accuracy.
- Integrated the model via a FastAPI backend, enabling real-time image classification and automated agricultural advice.
- Enabled users to receive tailored crop Disease management recommendations, helping improve productivity and reduce losses.
- Built an intuitive, mobile-responsive frontend using Next.js, focused on ease of use for rural farmers.

Hostel Booking Management System

- Developed a hostel booking management system using HTML, CSS, MySQL, and PHP, JavaScript. Students can rent hostel rooms for specific time, manage their profiles, add food and pay fees, while the admin can oversee the entire application and mange everything.

Online Mobile Buying Web App

- Developed a web application allowing users to browse and purchase mobile phones and accessories. Admins can manage inventory by adding or deleting items. Built using HTML and CSS and JavaScript.

WORK EXPERIENCE

Mobile Developer Intern   **Goa Police Department | July-August2024**

- Worked on the E-Beat application, designed to assist police beat officers in patrolling and reporting within their jurisdiction. Gained hands-on experience in managing and maintaining the technologies used in the app.
- Developed currency converter app capable of converting currency from USD to INR.
- Developed a food delivery app where users can select and order food, as well as manage their accounts.
- Developed a fully functional To-Do app with features to pin, search, delete, add, modify, and view task details. Integrated JWT authentication and email verification via OTP, utilizing a Django backend.

Technical Executive   **INTENSA COUNCIL IT Department | 2023-3024**

- Managed and organized multiple technical events like coding competitions and tech fests, enhancing leadership, communication, and team coordination. Gained strong soft skills including problem-solving, decision-making, time management, and adaptability through hands-on event execution and collaboration.

EDUCATION

Goa Collage of Engineering   **2021-2025**
BE IN INFORMATION TECHNOLOGY   7.6 CGPA

DCT's Vasantrao Dempo HSS   **2019-2021**
HSS SCIENCE   63%

Dr.K.B. Hedgewar High School   **2018-2019**
SSC   75%

CERTIFICATIONS

- Fundamentals of Drone systems and AI/ML for drone vision -MeitY   February 2024
- Training and Development- NPTEL   April 2024

SKILLS

Soft-skills:

- Problem-Solving
- Decision making
- Leadership
- Communication
- Team Building, Adaptability,
- Time Management

Technical Skills:

- **Programming languages :**C/C++, Java, JavaScript, Python.
- **Frontend:** HTML/CSS,JavaScript,React.js.
- **Backend:** MySQL, Django.
- **AI/ML:** TensorFlow, Keras, Model Building.