ZINAL RAVAL

CONTACT:

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SKILLS:

Programming Languages: Python, SQL, C/C++

Technologies & Tools:
Arduino IDE, HTML, CSS

ML/DL Frameworks:
TensorFlow, Keras, Scikit-learn

Libraries:
Pandas, NumPy, Matplotlib

EDUCATION:

B. Tech in Artificial Intelligence & Data Science (Minor: Robotics)
A.D. Patel Institute of Technology
Anand, India — Expected 2025

Higher studies
P. P. Savani Vidyabhavan
Hirabaug, Surat (2021)

ACHIEVEMENTS:

National Winner – Reckon 4.0 Hackathon
-Awarded 1st place for developing an innovative AI solution.

Regional Selection – SSIP Hackathon 2022
-Selected for a ground-breaking tech project by the Government of Gujarat.

-SSIP India Funding Recipient
Secured funding for **Robotic Nurse** and **Robotic Arm** projects.

PROFESSIONAL SUMMARY:

Passionate Artificial Intelligence & Data Science Student with practical experience in machine learning, data analysis, and robotics. Enthusiastic about leveraging cutting-edge AI/ML techniques to solve real-world problems. Strong collaborative skills, eager to contribute to impactful projects in a professional environment.

PROJECTS:

Intelligent Food Image Recognition and Calorie Estimation:
-Developed a deep learning model using ResNet50 for food item classification and caloric estimation.

Healthcare Billing Data Audit and Analysis:
- Automated pharmacy billing data auditing with Python, including data cleaning, analysis, and report generation using GPT-2 for enhanced accuracy and efficiency.

Robotic Arm:
- Led the development of a robotic arm for precise pick-and-place tasks, improving efficiency and accuracy.

Robotic Nurse (Ongoing):
- Innovating a prototype for medication delivery and vital sign monitoring, funded by SSIP India.

Customer Segmentation Analysis:
- Conducted analysis of customer spending patterns, resulting in a 15% revenue increase by identifying key segments.

EXPERIENCE:

Core Team Member:
MooRopan INDIA PVT. LTD. | Oct 2022 – May 2023

-Ensured device accuracy for mastitis detection in cows through field visits and social media engagement, boosting visibility by 30%.

Machine Learning Intern
Prodigy InfoTech | Jan 2024 – Feb 2024

-Utilized various ML algorithms to enhance model accuracy and provide actionable insights.

Data Science Intern
Oasis Infobyte | Feb 2024 – Mar 2024

-Implemented ML algorithms to drive project solutions and improved efficiency by 25% through effective data processing.