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GitHub: https://github.com/Roboig
LeetCode: https://leetcode.com/u/robo_ig/

Education

VIT Bhopal University
Bachelor of Technology in Computer Science and Engineering   09/2022 - 05/2026
- Cumulative CGPA: 8.81/10.00

Hillwoods Academy
Class XII and Class X   04/2019 - 07/2022
- Class XII: 91% | Class X: 93%

Skills

Languages: Python , Java , HTML , CSS , MySQL , MongoDB .
Packages: Pandas , Selenium , BeautifulSoup , Flask , Jinja , RASA, Matplotlib, NumPy, SciPy, Plotly, SeaBorn.
Tools: Git **,** GitHub , VS Code , Third party API integration , PyCharm , Twilio , Python Anywhere, Excel.
Soft skills: Careful planning , Clear speaking and writing , Business decision-making , Responsive to Change .
Coursework: Machine Learning , Python Programming , AWS Cloud Practitioner , Object-Oriented Programming , Data Structures and Algorithms
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Experience

Machine Learning Internship
Gnani.ai Innovations Pvt. Ltd.   06/2024 – 07/2024
- Collaborated with the team to develop a voice enabled customer care bot for CRED, achieving a 92% intent recognition accuracy.
- Validated performance of multilingual customer care bot across voice and chat platforms, resulting in a 20% reduction in average resolution time for non-English speaking customers.

Projects

NGO Freelancing AI Website   08/2024 – 04/2025
- Engineered a Generative AI chatbot for the company website, integrating 15 specialized models and 2 custom built actions to enhance conversational capabilities.
- Published 2 peer reviewed research papers detailing the system's architecture and performance outcomes.

AI Chatbot Integrated with Whatsapp   05/2024 – 06/2024
- Developed a RASA-based chatbot, integrated with WhatsApp via Twilio API and MongoDB for efficient interaction and data handling; handled 50 concurrent sessions and enabled scalable multi-user engagement during pilot deployment.
- Attained a 70% query success rate and maintained a 4 to 5 second latency during initial testing, reflecting strong system performance and responsiveness.

RASA Interactive Voice Bot   05/2024 – 06/2024
- Created a voice bot using 3 Python libraries (speech_recognition, gTTS, pydub) to process speech and generate audio replies.
- Showcased strong performance and responsiveness during preliminary testing, achieving 75% speech to text transcription accuracy and a response time of 3 to 4 seconds.

Coconut Disease Classification Model   02/2024 – 05/2024
- Tested various machine learning models on a dataset of 7,034 coconut fruit images to detect seven disease types, incorporating preprocessing and hyperparameter tuning for optimized performance.
- Delivered 80.61% classification accuracy with EfficientNet-B0 after comprehensive metric-based evaluation, showcasing its reliability and effectiveness in disease detection.

Badges and Certifications

100 Days of Code: The Complete Python Pro Bootcamp   11/2025
- Mastered professional Python development by building 100 applications, gaining expertise in full-stack web apps, machine learning, data analysis, and advanced automation using libraries like Flask, Pandas, and Selenium.

100 Days Badge   04/2025
- Earned a 100 day coding streak on LeetCode, focusing on SQL and Data Structures & Algorithms using Python. Solved over 200 problems of varying difficulty, strengthening logical thinking and proficiency in tackling coding challenges.

Industrial IoT Markets and Security   12/2023 – 01/2024
- Achieved the 65 hour 'Industrial IoT Markets and Security' certification on Coursera, gaining practical knowledge of IIoT architectures, market trends, key technologies, and security practices including risk assessment, edge device protection, and secure communication.