

PRINCE BAMBHROLIYA

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[LinkedIn](#)

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EDUCATION

University of Bonn

Master of Science - Mobile Robotics

Present

Bonn, Germany

Government Engineering College Modasa

B.E. - Computer Engineering - CGPA - 8.05

2021 – 2025

Modasa, Gujarat

EXPERIENCE

Data Science Intern

Dignizant Technologies LLP

Jan 2025 - Apr 2025

Surat, India

- Worked on Data Science and Machine Learning projects involving data preprocessing and model building.
- Utilized Python libraries such as Pandas, NumPy, Scikit-learn, and XGBoost for predictive analysis.
- Contributed to automating data pipelines and optimizing ML algorithms.

Web Developer Intern

Alphaved Pvt Ltd

Jun 2024 - Jul 2024

Surat, India

- Worked on a full-stack **Online Job Portal** project using the MERN Stack.
- Gained hands-on experience in web development workflows, REST APIs, and project management.

PROJECTS

Autonomous Navigation Robot | ROS, SLAM, LiDAR, C++

2025

- Designed a robot in ROS for autonomous indoor navigation using LiDAR-based SLAM and path planning algorithms.
- Implemented mapping and localization techniques to navigate complex environments.

Traffic Signs Recognition | Python, CNN, Keras, Deep Learning

2025

- Developed a Deep Learning model using CNN & Keras to classify 58 distinct traffic sign classes.
- Optimized the model for deployment in autonomous driving simulation systems.

Robotic Arm with Vision | OpenCV, Computer Vision, Python

2024

- Implemented computer vision using OpenCV to detect objects and calculate coordinates.
- Programmed a robotic arm to perform automated pick-and-place tasks based on visual input.

Online Job Portal | MERN Stack, MongoDB Atlas

2024

- Built a full-stack application with authentication, job posting, and application tracking capabilities.
- Deployed the database using MongoDB Atlas and ensured responsive UI design.

SKILLS

Robotics & AI: ROS, SLAM, OpenCV, TensorFlow, Keras, Scikit-learn, XGBoost, Path Planning

Programming: Python, C++, Java, C, JavaScript, SQL

Web Development: MERN Stack (MongoDB, Express, React, Node), REST APIs, Tailwind CSS

Tools & Cloud: Git/GitHub, VS Code, Google Colab, Linux

Spoken Languages: English (Fluent), German (B1)

CERTIFICATIONS

- Industrial Artificial Intelligence With Cloud Computing
- Ambassador Challenge Git Github Copilot
- Career Essentials in Generative AI by Microsoft and LinkedIn
- Machine Learning by DeepLearning and Coursera