

Rahul Bedjavalge

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EDUCATION

IU INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES

Berlin, Germany

Master of Artificial Intelligence

Apr 2024 - Present

- Focused on developing advanced AI models and gaining practical experience through industry projects.
- Keeping up with the latest tech trends and advancements in AI to stay ahead in the field.

PADMABHOOSHAN VASANTDADA PATIL INSTITUTE OF TECHNOLOGY (PVPIT)

Pune, India

Bachelors in Electronics and Telecommunications

July 2015 – Jun 2019

- Graduated with a CGPA of 7.8, with hands-on experience in electronics and telecommunications projects.
- Actively participated in technical competitions and workshops, gaining hands-on experience.

PROFESSIONAL EXPERIENCE

iMouse Solution

Berlin, Germany

Machine Learning Engineer (Intern)

Aug 2024 – Present

- *Data Collection and Preprocessing:* Gathering and preparing visual data from movie clips, trailers, or related sources.
- *Developed and trained custom object detection models using YOLO (You Only Look Once) architecture.*
- *Analysis:* Analyzing model results and optimizing performance for accuracy and efficiency.
- *Utilized Roboflow for data augmentation, labeling, and model management to improve model performance and efficiency.*

INFINITE VARIABLE PVT LTD

Pune, India

Technology Specialist

Dec 2022 – June 2024

- *Led cross-functional AI initiatives, partnering with academia to address client challenges.*
- *Conducted thorough market research to understand industry trends, customer preferences, and competitive landscapes.*
- *Excelled in B2C e-commerce by applying data analysis to enhance operations and make informed decisions.*
- *Demonstrated strong analytical skills in managing complex technical projects and ensuring successful execution of technology initiatives.*

CERTIFICATIONS AND PROJECTS

ANIMAL IDENTIFICATION - MICE CLASSIFICATION

Machine Learning Model

July 2024

- Developed a machine learning model using YOLOv8 to distinguish between dotted and striped mice. Extracted and labeled image data from video, optimizing model performance through rigorous training. Built a high-performance model using a Roboflow dataset generated from video frames.. Achieved high accuracy, contributing valuable tools for biological research and wildlife monitoring.

CERTIFICATIONS

- Certificate in Data Analytics from NMD Pvt Ltd (Jan 2023 - Apr 2023)
- Full Stack Development Certifications (Jul 2022 - Dec 2022)
- Participation Certificate in Robocon 2017

SKILLS & PERSONAL

Programming Languages: Python , React, Javascript

Machine Learning & AI: TensorFlow, PyTorch, Keras, YOLO, Transformers

Data Analysis & Tools: MS-Excel, Pandas, NumPy, OpenCV, Roboflow, CVAT

IT: Office Package (Word, Excel, PowerPoint, Access), Jira, Google Workspace

Management and Leadership Skills: Problem Solving, Time management, Adaptability, Team Leading

Language: German (basic) , English (fluent), Hindi (Fluent) , Marathi(Native)

Interests: Research and Innovation, Outdoor enthusiast, Traveling ,Exploring New Technologies