

# Rahul Bedjavalge

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## EDUCATION

### IU INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES

Apr 2024 - Present

*Master of Artificial Intelligence*

- **GPA:** Present
- **Achievements:** 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)

Jul 2015 - Jun 2019

*Bachelors, Electronics and Telecommunications*

- **GPA:** 7.8
- **Achievements:** Actively participated in technical competitions and workshops, gaining hands-on experience.

## PROFESSIONAL EXPERIENCE

### iMouse Solution

Aug 2024 - Present

*Machine Learning Engineer (Intern)*

*Berlin, Germany*

- Collected and preprocessed visual data from movie clips, trailers, and related sources using Python, creating robust datasets for model training.
- Developed and trained custom object detection models using YOLO architecture and TensorFlow, ensuring accuracy and efficiency.
- Analyzed model performance and optimized algorithms by applying scientific computing techniques.
- Utilized Roboflow for data augmentation, labeling, and model management to streamline AI workflows.

### INFINITE VARIABLE PVT LTD

Dec 2022 - Jun 2024

*Technology Specialist*

*Pune, India*

- Collaborated with academic partners on cross-functional AI initiatives, translating cutting-edge research into practical client solutions.
- Conducted comprehensive market research to understand industry trends, customer preferences, and competitive landscapes.
- Optimized B2C e-commerce operations by integrating data analysis with cloud workflow strategies.
- Demonstrated strong technical communication and problem-solving skills while managing complex technology projects.

## CERTIFICATIONS AND PROJECTS

### ANIMAL IDENTIFICATION - MICE CLASSIFICATION

Jul 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.

## 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
- **Interests:** Research And Innovation, Outdoor Enthusiast, Traveling, Exploring New Technologies

## 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