NISHITH RANJAN BISWAS

Via L. Pecchenini 1, 20092 Cinisello Balsamo MI, Italy .

+49 17631089303 | nishith170217@gmail.com | **Linkedin:** www.linkedin.com/in/nishithrb

Github: https://github.com/Nishith170217

As a passionate master's student specializing in Artificial Intelligence at Friedrich-Alexander-Universität Erlangen-Nürnberg currently studying at Politecnico di Milano as a part of Erasmus Mobility program, I offer a dynamic blend of academic excellence and hands-on expertise in diverse data analytics tools. In addition to my AI focus, I bring managing web development expertise, complemented by innovative ideas tso enhance user experiences and drive project success. Armed with a can-do mentality, I am ready to make a significant impact through my proactive involvement in various projects. My adaptability and willingness to take on diverse tasks independently showcase my commitment to driving innovation and achieving excellence in the field of Artificial Intelligence and data science.

Education:

04/2023 - Present	Masters in **Artificial Intelligence**	Friedrich-Alexander-Universität Erlangen-Nürnberg.	**(2nd semester)**
09/2018 – 07/2022	BEng. in **Computer Science and Technology**	Henan Polytechnic University, China	CGPA: 4.41/5.0 (93%)

Experiences:

12/2021 – 03/2022   **Web Developer** (Internship)   **Qianfeng Education, Beijing.**

- Teamed up with six developers to create dynamic interfaces for three web apps, accelerating development speed by ~10%. This not only ensured quicker product delivery but also showcased a significant boost in team productivity.
- Utilized a technology stack including HTML, CSS, Bootstrap, JavaScript, Python, and EasyDL.

11/2020 – 06/2022   **Office Assistant- IT and Management** (Part-time)   **International education college,** Henan Polytechnic University.

- Played a key role in IT and management tasks, contributing to the seamless operation of office functions. Implemented efficiency measures that resulted in a ~20% reduction in response time for IT support, enhancing overall productivity and ensuring smoother day-to-day operations.
- Demonstrated proficiency in using MS Excel, MS Word, and MS PowerPoint for data analysis and presentation purposes.

Technical competence:

Python	Intermediate	(Academic coursework + Project Experience)
Libraries: Numpy, Pandas, Matplotlib. **Frameworks:** TensorFlow.		
C++	Proficient	(Academic coursework)
MATLAB	Proficient	(Academic coursework)
JAVA	Proficient	(Academic coursework)
MYSQL (database)	Proficient	(Academic coursework)
HTML, CSS, Bootstrap	Intermediate	(Project Experience)

Version control: GitHub
Operating System: MacOS, Windows.
IDE: Visual Studio, PyCharm, Code::Blocks, IntelliJ IDEA, Octave etc.

Publications:

Microarray Image Segmentation Based on Level Set and Regridding, Proceedings of 12th IEEE International Conference on CYBER Technology in Automation, Control, and Intelligent Systems July 27 - 31, 2022, Changbai Mountain, China. DOI: 10.1109/CYBER55403.2022.9907419.

Key Projects:

Research of an efficient poultry disease detection method from feces images based on deep learning.

Key Contributions:
- Developed a robust broiler disease detection system utilizing deep learning.
- Categorized abnormal droppings based on shape, color, and water content.

Tools and Technology: Python, Tensorflow, Pytorch, HTML, CSS, JavaScript, Roboflow, Yolov5.

Honors and Awards:

2019 - 2022   Recipient of the prestigious **Henan Provincial Government Scholarship.**
- Recognizing academic excellence and contribution to the community.

2021   **Second Prize** and **Best Application award** in China University Computer Competition-Artificial Intelligence Innovation Competition **(C4AI) National Final**.
- For pioneering work on chicken disease identification using EasyDL.

2021   **First Prize** in Special Reconnaissance Launch Competition on World Robot Contest Final in China.
- For achieving unparalleled accuracy and speed in the autonomous phase, showcasing a groundbreaking drone performance.

2020   **Second prize** in **VEX robotics** on 7th **Provincial robotics competition**.
- For showcasing a mix of human control and smart automation for an exciting and innovative performance in VEX robot tournament.

2020   **Third prize** in **VEX robotics** on **World Robot Contest Final** in China.
- For showcasing a mix of human control and smart automation for an exciting and innovative performance in VEX robot tournament.

Participation and Leadership:

12/2021   Attended Create conference of Baidu as a speaker and foreign developer.
01/2020   Worked at HULT PRIZE at Henan Polytechnic University as Organizing Committee member.
2019-2021   Team leader of Robotics team of international students at Henan Polytechnic University.
2018-2019   Worked at Career Club of International students at HPU as a training coordinator.

Languages:

■ **English –** Fluent (IELTS 6.5)   ■ **German –** Beginner (Enrolled in A1)
■ **Chinese –** Basic (HSK2)