IREASH ROY

Nationality: Bangladeshi   **Date of birth:** 15/07/2002   **Gender:** Male

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ABOUT ME

I am Ireash Roy, currently a student in the School of Software Engineering at Zhengzhou University. Currently, I have the privilege of serving as the Class Representative (CR), I actively manage communication between students and faculty, address student concerns, and collaborate with my university advisor in maintaining a productive and respectful learning environment. This leadership role has further strengthened my ability to manage teams, resolve issues efficiently. Honored as an **"Outstanding International Student"** I take pride in my role as a reliable coordinator and collaborative team member within the university's academic community.

My research interests are focused on advancing fields such as machine learning, optimization methods, self-aware robotics, cognitive intelligence, and natural language processing. I am particularly drawn to areas like LLM-powered learning, computer vision, human-computer interaction, and deep learning applications for impactful, real-world advancements.

My primary goal in pursuing a Master's degree is to deepen my technical expertise, gain hands-on research experience, and lay a strong foundation for future doctoral studies. I am eager to collaborate with faculty and contribute to impactful research, particularly in areas that bridge innovative technology with practical solutions for real-world applications.

WORK EXPERIENCE

Research Assistant
Zhengzhou University [01/05/2023 – 30/09/2024]

City: Zhengzhou | **Country:** China

1. Assisted with **literature reviews**, **data collection**, and **research material organization** for smooth project execution.
2. Provided **logistical support** to enhance workflow and meet project timelines.
3. Built and maintained **relationships with leading Western scholars** to support collaboration.
4. Excelled in **team collaboration** with researchers, contributing as a **respected and valued team member**.

Class Representative (CR)
Zhengzhou University [01/10/2023 – Current]

City: Zhengzhou | **Country:** China

1. Facilitating communication between students and teachers.
2. Addressing and resolving student issues.
3. Assisting the academic advisor with official tasks & Managing student-related paperwork.
4. Collaborating with university advisor in the School of International Education (SIE) to uphold university policies and regulations.
5. Ensure students understand Chinese rules and university regulations.
6. Monitor student well-being, including apartment visits as needed.

Campus Ambassador for Zhengzhou University
Bangladesh-China Youth Student Association [20/09/2024 – Current]

Country: China | **Website:** https://www.bcysa.org/member-details/3048

The Bangladesh-China Youth Student Association (BCYSA) promotes cooperation and mutual understanding between Bangladesh and China. It supports Bangladeshi students in China through cultural exchange programs, educational initiatives, and community support. BCYSA also offers guidance on scholarships, employment opportunities, and organizes events to strengthen bilateral relations.

Advisor Assistant

Zhengzhou University [10/09/2024 – 15/10/2024]

City: Zhengzhou | **Country:** China

1. Provide administrative and organizational support to the advisor.
2. Assist with student visa applications and paperwork.
3. Coordinate student-advisor communication on academic.
4. Maintain accurate and updated student records.

EDUCATION AND TRAINING

Bachelor of Science in Software Engineering

Zhengzhou University [01/09/2021 – Current]

Address: 100 Kexue Blvd, Zhongyuan District, 450001 Zhengzhou (China) | **Website:** https://www.zzu.edu.cn/ | **Field(s) of study:** Software Engineering | **Final grade:** CGPA: 3.44 (Out of 4) 6th Semester

Higher Secondary Certificate (HSC)

Saint Philip's High School and College [01/07/2018 – 01/07/2020]

Address: Auliapur-kosba road, Dinajpur, Dinajpur (Bangladesh) | **Website:** https://spscdnj.edu.bd/ | **Field(s) of study:** Science | **Final grade:** 4.50 Out of 5.00

Secondary School Certificate (SSC)

Biral Adarsha High School [01/01/2013 – 01/06/2018]

City: Dinajpur | **Country:** Bangladesh | **Website:** http://www.bahs.edu.bd/ | **Field(s) of study:** Science

HONOURS AND AWARDS

[30/12/2023] Zhengzhou University
Outstanding International Student
Awarded Outstanding International Student at Zhengzhou University for exceptional academic achievement, leadership, and contributions to the international student community, reflecting a strong commitment to excellence and campus engagement.

DIGITAL SKILLS

Programming and coding languages (HTML, C++, JAVA, C#, PYTHON) / Python Scientific Toolkit (numpy, pandas, scipy, matplotlib, sklean) / Maching Learning and Deep Learning / Database : MySQL(basic) / Data Analysis and visualization / Cloud computing (Oracle Cloud, Google cloud, G-Cloud) / Microsoft Office (Outlook, Excel, Word, PowerPoint)

PROJECTS

[10/09/2024 – Current]
Banking ChatBot for Better Customer Service
Developed a chatbot designed to enhance customer experience by automating offline banking services. The chatbot provides instant information about loan types, policies, credit/debit card features, and other services typically offered in-person, helping reduce wait times and improve accessibility for customers.

[10/09/2023 – 30/12/2023]
Multitask Mobile Application Development
Worked in a team to design and build a comprehensive mobile application using Java and Android SDK for a Mobile Programming course. This app integrates multiple functionalities—such as a calculator, compass, calendar, weather updates, and a simple football game—into a single, user-friendly platform. Our project was successfully published on the Google Play Store.

[01/06/2022 – 30/07/2022]
Data Science Insights for Business Innovation | Tsinghua University - Innovation and Entrepreneurship Program
Applied data science techniques to solve challenges across sectors like healthcare, finance, marketing, and logistics. Focused on using data analysis and predictive modeling to improve decision-making, enhance customer experiences, and drive innovation in the digital economy.

[10/09/2023 – 20/12/2023]

Canteen Recommendation Application

Developed a software requirements specification for a Canteen Recommendation Application aimed at optimizing the ordering process in crowded canteens. Focused on defining system features such as easy order placement, real-time delivery tracking, menu management. The project involved documenting functional and non-functional requirements to ensure a user-friendly and scalable solution that addresses peak-hour congestion and improves overall service efficiency.

[24/04/2024 – 27/05/2024]

Research on Version Control Systems (DevOps Practices)

Explored the role of Version Control Systems (VCS) in DevOps, focusing on tools and best practices to optimize deployment and continuous integration. Examined how VCS enhances collaboration, streamlines code management, and accelerates software delivery through automated workflows.

[27/03/2024 – 28/04/2024]

OOD for Super Shop Management System

Designed the object-oriented architecture for a Supshop Management System, focusing on key components such as inventory management, sales tracking, and customer data handling. Used OOD principles to structure the system efficiently, ensuring scalability, reusability, and ease of maintenance. Created class diagrams, use case diagrams, and other design artifacts to showcase the system's architecture.Object oriented Detection

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s):

English	Chinese
LISTENING C1 **READING** B2 **WRITING** B2	**LISTENING** B1 **READING** B2 **WRITING** B1
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2	**SPOKEN PRODUCTION** A2 **SPOKEN INTERACTION** A2

Hindi	Urdu
LISTENING C2 **READING** A1 **WRITING** A1	**LISTENING** B2 **READING** A1 **WRITING** A1
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C1	**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

VOLUNTEERING

[01/05/2014 – 01/11/2018] Biral Adarsha High School

SCOUT Organization

Contributed to community service projects like environmental cleanups and charity events. Led team-building activities, mentored younger scouts, and helped organize fundraising efforts, while promoting leadership and social responsibility

RECOMMENDATIONS

Name: Dr. Xiaofei Nan | Associate Professor
Ph.D. in Artificial Intelligence,
Computer Science and Artificial Intelligence School, 3rd floor, Room 3310 New Campus of Zhengzhou University
Zhengzhou-45000, Henan, P.R. China
Email: iexfnan@zzu.edu.cn

Name: Dr. Li Yafei | Professor
School of Computer Science and Artificial Intelligence
Zhengzhou University, Henan, China
Email: ieyfli@zzu.edu.cn