



GOLAM MAHADI

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ABOUT MYSELF

I am a final-year Software Engineering student at Zhengzhou University in China, possessing a strong foundation in **programming** and practical experience in **software development**. My interests span dynamic fields such as **computer vision**, **data analysis**, **cloud computing**, **network security**, **machine learning**, and **artificial intelligence**. I am particularly passionate about emerging technologies like **neural networks** and **natural language processing (NLP)**. I am driven by the desire to apply my knowledge to solve real-world challenges.

EDUCATION AND TRAINING

Bachelor's

Zhengzhou University [01/09/2021 – Current]

Address: 100 Kexue Blvd, Zhongyuan District, Zhengzhou, Henan, China, 450001, 450001 Zhengzhou (China) | **Website:** <http://www.zzu.edu.cn/> | **Field(s) of study:** Software Engineering | **Final grade:** 6th Semester 2024; CGPA: 3.52 (Out of 4)

I have a strong foundation in Software Engineering, with expertise in areas like Operating Systems, Computer Networks, and Data Structures. My programming skills include C, C++, Python, Java (OOP, Mobile Development), and JavaScript (web development). I've explored advanced topics like Embedded Systems, Databases, Network Security, and AI, supported by a solid background in Linear Algebra, Probability, and Calculus. My hands-on experience, including a graduation project focused on image processing or computer vision, has enhanced my practical and problem-solving skills.

Higher Secondary Certificate (HSC)

Gurudayal Govt. College [02/06/2017 – 17/07/2019]

City: Kishoreganj | **Country:** Bangladesh | **Website:** <https://gdc.gov.bd/> | **Field(s) of study:** Science | **Final grade:** CGPA: 4.75 (Out of 5)

Secondary School Certificate (SSC)

Kishoreganj Government Boys High School [01/01/2015 – 04/05/2017]

City: Kishoreganj | **Country:** Bangladesh | **Field(s) of study:** Science | **Final grade:** CGPA: 5.00 (Out Of 5)

PUBLICATIONS

[2024]

ICT Education and Employment Disparities: A Comparative Study of Developed and Developing Countries

<https://doi.org/10.5281/zenodo.14246913>.

Sajib, M.S.K., Mahadi, G., Roy, I. and Islam, M.M., 2024. ICT Education and Employment Disparities: A Comparative Study of Developed and Developing Countries. *North American Academic Research*, 7(11), pp. 11–19.

PROJECTS

[01/09/2024 – Current]

Human Gender and Age Detection, and Object Recognition (Computer Vision)

I am working on a project focused on Human Gender and Age Detection, as well as Object Recognition, using OpenCV and pre-trained models. This project enhances my skills in image processing and machine learning.

[Current]

Collaborative Document Editing System

This project is a scalable, microservices-based platform that enables real-time collaborative document editing. Designed with flexibility, fault tolerance, and seamless user experience in mind, the system allows multiple users to concurrently edit, version, and manage documents securely.

[01/09/2023 – 12/12/2023]

Multitask Mobile Application

I led a team to develop a Multitask Mobile Application using Java and Android SDK for a Mobile Programming course. The app, featuring calculations, a compass, a calendar, weather updates, and an alarm was successfully published on the Google Play Store.

[01/09/2023 – 12/12/2023]

Library Seat Booking System

I led a team to develop a Library Seat Booking System using JavaScript, HTML, and CSS for the Software Requirement Engineering course, producing a complete system and an SRE paper.

[26/03/2024 – 25/04/2024]

Enhancing Alumni Engagement and Connectivity

I participated in a project to Enhance Alumni Engagement using Object-Oriented techniques in JavaScript, resulting in a comprehensive scientific report. This experience improved my skills in Object-Oriented programming, collaboration, and scientific reporting.

[25/02/2024 – 25/03/2024]

Research on Scrum (Agile Methodology)

In a group project, we studied Scrum and produced a report with recommendations for its effective use in software development.

[26/04/2024 – 25/05/2024]

Research on Version Control Systems (DevOps Practices)

In New Technology and Software Development course, we researched the impact of Version Control Systems on DevOps, focusing on tools and best practices for enhancing deployment and continuous integration.

[26/05/2024 – 25/06/2024]

Research on Cloud Computing under Parallel Computing

In the New Technology and Software Development course, we examined cloud computing in parallel systems, focusing on resource management and performance.

WORK EXPERIENCE

Personal IT Assistant (Online)

Chany Zagury [01/08/2023 – Current]

City: Montreal | Country: Canada

Two years of freelance experience providing personal IT support, including troubleshooting, software updates, system configurations, and data backups. Focused on maintaining smooth and secure operations to enhance productivity and efficiency for a Canadian client.

Graphic designer needed for creating educational products

Chany Zagury (Upwork) [28/03/2024 – Current]

City: Montreal | Country: Canada

Book design for kids in Hebrew language, Logo design for book, The cover page design child-friendly.

Email Template Design

Chany Zagury (Upwork) [01/09/2024 – Current]

City: Montreal | Country: Canada

I specialize in email design for advertising, including templates and signatures, focusing on effective email marketing to enhance engagement.

Web specialist

Chany Zagury (Upwork) [01/08/2023 – 06/08/2023]

City: Montreal | Country: Canada

Logo adjustment for the whole website, Contact page redesign, Subscribe page redesign, Font adjustment for client needed.

Graphics designer

Zhengzhou University (SIE) [10/04/2024 – 02/06/2024]

City: Zhengzhou | Country: China

Whole tournament design handle (Poster, Player profile, Banner, Team logo, Team jersey, Trophy, Medal, etc).

DIGITAL SKILLS

Programming Language

Python / Java / C/C++ / JavaScript / CSS / XML / JSON / Web services Microservices

Framework

Frameworks & Libraries: OpenCV, Sci-kit learn, NumPy, Pandas, SciPy, Matplotlib. / Javascript(Nodejs, Expressjs) / HTML, CSS, Bootstrap

Database

NoSQL (firebase realtime database MongoDB) / MongoDB / Mongoose

Technology

Object-Oriented Programming / Github / Web Development

IDE

Vs code / Android studio / Anaconda

Others

Adobe (Photoshop, Illustrator, Premiere Pro, Lightroom, Acrobat Pro) / Microsoft (Microsoft 365, Word, Excel, PowerPoint, OneNote)

LANGUAGE SKILLS

Mother tongue(s): Bengali | English

Other language(s): Hindi | Urdu | Chinese

CERTIFICATIONS & EXTRACURRICULAR ACHIEVEMENTS

ZZU International Essay Writing Competition – 3rd Position

Achieved 3rd place in an international essay competition at Zhengzhou University, writing on experiences during COVID-19 quarantine.

Chinese Development Summer Tour

Participated in a 7-day cultural and developmental exchange organized by the School of International Education, Zhengzhou University.

5 km Marathon – Zhengzhou University

Completed a 5 km marathon, showcasing endurance and commitment to personal fitness.

BPL Cricket Tournament Participant

Represented in the BPL Cricket Tournament organized by the School of International Education at Zhengzhou University.

HOBBIES AND INTERESTS

Artificial Intelligence (AI)

I have a strong interest in AI, focusing on machine learning, neural networks, computer vision, and AI ethics. I pursue independent research, stay updated on current findings, and participate in relevant online courses and forums.

Teaching

I am passionate about teaching software engineering and creating engaging learning environments to educate students effectively.

Cricket

Playing cricket improves my teamwork, strategic thinking, and leadership, with benefits in both personal and professional areas.

RECOMMENDATIONS

Name: Li Yafei | Professor
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Name: Xiaofei Nan | Associate Professor
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