



Md Muzahidul Islam

Nationality: Bangladeshi **Date of birth:** 17/12/2001 **Gender:** Male

Phone number: (+86) 13949121424

Email address: muzahidulislam@stu.zzu.edu.cn **WeChat:** mmuzahidul_islam

Home: Fengyang Street Room 1802, Unit 2, Building 1, Taoli Garden, High-tech Zone, 450000 Zhenzhou (China)

ABOUT ME

As a Software Engineering student in my final year at Zhengzhou University, I have cultivated a solid understanding of data-driven problem-solving and software development, with a focus on deep learning, machine learning, and related areas applications. Proficient in Python, data visualization, and various machine learning libraries, I am passionate about exploring how AI can solve complex real-world problems. I am particularly drawn to research in neural networks, computer vision and related areas, aiming to further my technical skills and research experience through a master's program under expert supervision.

EDUCATION AND TRAINING

Undergraduate

Zhengzhou University [01/09/2021 – Current]

Address: 100 Kexue Road, Zhongyuan District, 450001 Zhengzhou (China) | **Website:** <https://www.zzu.edu.cn/> | **Field(s) of study:** Software Engineering | **Final grade:** 6th Semester 2024; CGPA: 3.29 (Out of 4) | **Level in EQF:** EQF level 6

Higher Secondary School Certificate (HSC)

SHAHEED MUKTIJODHYA MAHABIDYALYA [01/07/2017 – 01/04/2020]

City: Tala, Satkhira | **Country:** Bangladesh | **Website:** www.smcollegetala.edu.bd | **Field(s) of study:** Science | **Final grade:** CGPA : 5.00 (Out of 5) | **Level in EQF:** EQF level 4

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s): English | Urdu | Chinese

DIGITAL SKILLS

Machine Learning / Ensemble Algorithms - Bagging (Random Forest) and Boosting (AdaBoost, GradientBoosting XGBoost) / Deploying with Streamlit / GIT version control, Linux Command / programming: Python, MATLAB and SQL / Basic Java, HTML, CSS / Atlassian stack (Jira, Confluence, ...) / Notion user

Python Libraries: NumPy, Pandas, Seaborn, Matplotlib, Sklearn

IDE: Visual Studio, IntelliJ IDEA, PyCharm, Jupyter Notebook

Familiar with Android Studio IDE & Basic Mobile app Development Idea

RESEARCH INTERESTS

Artificial intelligence

I am passionate about artificial intelligence, focusing on **Machine Learning, Deep Learning, Computer Vision, Multimodal Learning, XAI, AR & VR, Reinforcement Learning**, and related areas. I actively pursue independent research, engage in online courses, and participate in forums to stay current with the latest developments in the field. I am driven to solve real-world problems through innovative AI solutions.

PROJECTS

Healthcare Premium Prediction Developed a machine learning model to predict health insurance claims, improving risk assessment and premium pricing. The model uses historical claims data and customer demographics to predict claim likelihood, helping with resource allocation and decision-making. Applied data preprocessing, feature engineering, and model tuning to improve accuracy. After testing several algorithms, I chose Linear Regression and XGBoost for better accuracy.

Link: <https://ml-project-helthcare-premium.streamlit.app/>

Credit Risk Modelling Built a supervised machine learning model to detect fraudulent credit card transactions using transaction data. The project involved data preprocessing, feature engineering, and using classification algorithms like logistic regression and decision trees. Evaluated the model with metrics like precision and recall to improve accuracy and reduce false positives. This project enhanced my skills in Python, Pandas, and Scikit-learn.

Link: <https://ml-project-credit-risk-m.streamlit.app/>

[11/09/2023 – 18/12/2023]

Canteen Recommendation System In my fifth semester during the Software Requirements Engineering course, I led a team to create a Software Requirements Specification (SRS) document for a Canteen Recommendation System. We also built a demo app to showcase its features, combining user needs and system requirements. This project improved my understanding of requirement documentation and enhanced my teamwork and project management skills

[01/09/2023 – 12/12/2023]

Budget Planner

In my fifth-semester Mobile Programming course, I collaborated with a team to develop a user-friendly mobile application called "Budget Planner." This simple app helps users effectively manage their finances.

MANAGEMENT AND LEADERSHIP SKILLS

University Group Project Leadership Experience During Academic Courses Throughout my academic journey, I led a few group projects across different courses, including developing a mobile app, creating an SRS document, and researching GPU utilization in parallel computing. These experiences enhanced my leadership and technical skills in team environments.

RECOMMENDATIONS

Name: Dr. Xiaofei Nan | Associate Professor
School of Computer Science and Artificial Intelligence
Zhengzhou University
100 Kexue Road, Zhengzhou 450000
Henan, P. R. China.
Email: iexfnan@zzu.edu.cn

Name: Dr. Li Yafei | Professor
School of Computer Science and Artificial Intelligence
Zhengzhou University
100 Kexue Road, Zhengzhou 450000
Henan, P. R. China.
Email: iefli@zzu.edu.cn

Thank you for reviewing my application. I look forward to discussing how I can contribute to your team.