Md **A Rahman**

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☐ (806-239-9112 | ✉ ara02434@ttu.edu

Work Experience

Texas tech University   *Lubbock, Texas*

GRADUATE ASSISTANT   *Feb. 2024 - May. 2024*

- TransTech Transportation Lab
- Department of Civil, Environmental and Construction Engineering

ONE STOP IT SOLUTIONS   *Dhaka,Bangladesh*

SOFTWARE ENGINEER(ML/DL)   *Jun. 2024 - Aug. 2024)*

- Develop and deploy ML/DL models for various applications, ensuring scalability and performance.
- Collaborate with cross-functional teams to design, test, and deploy AI-driven solutions, providing expertise in model training, optimization, and performance evaluation.

IMPIT LIMITED   *Dhaka, Bangladesh*

DATA ANALYSIS ASSISTANT   *Jul. 2023 - May. 2024*

- Collect, clean, and preprocess datasets to ensure data integrity and readiness for analysis.
- Perform exploratory data analysis (EDA) to identify trends, patterns, and key insights that inform business decisions.
- Create data visualizations and reports to communicate findings clearly to stakeholders, using tools like Python, Excel, or Tableau.

CHENGDU SUNCAPER DATA CO. LTD   *Chengdu, Sichuan*

BIG DATA ANALYST, TEAM LEADER-INTERN   *Nov. 2021 - Apr. 2022*

- Completed impactful Big Data internship. Applied Big Data methodologies, extracting actionable insights for informed decision-making.
- Employed Apache Spark to develop websites and portals, showcasing adeptness with real-time analytics and large dataset handling.
- Collaborated on efficient data processing pipelines, utilizing Hadoop and Hive for optimized data management. Demonstrated expertise in distributed computing and data processing architectures. Improved data quality.
- Proven troubleshooting skills for data-related challenges. Committed to ongoing learning and staying updated on Big Data advancements.

SCU CAMPUS LIBRARY   *Chendu, Sichuan*

IT EXECUTIVE | PART-TIME

Honors & Awards

INTERNATIONAL

2023	**Sichuan University 2023 Outstanding Graduate ,** Won the Title of "Sichuan University 2023 Outstanding Graduate	*Chendu, Sichuan*
2019	**Belt and Road Initiative Scholarship ,** Offered During B.Sc	*Chendu, Sichuan*
2017	**Excellency in Debate ,** Recognized as the top first speaker in school debate.	*Dhaka, Bangladesh*
2015	**Physics Olympiad ,** Secured first place in the state Physics Olympiad 2015.	*Dhaka, Bangladesh*
2015	**Best Sprinter Award ,** Held the title of the school's top sprinter from 2010 to 2015.	*Dhaka, Bangladesh*
	Govt. Scholarship Award , Received government scholarships for outstanding academic performance during primary, junior, and higher secondary schooling.	*Dhaka, Bangladesh*
	Swimmer , Received Zilla School Best Swimmer tag (2012-2015).	*Dhaka, Bangladesh*
	Climber , I participated in my inaugural climbing competition in the year 2014. .	*Dhaka, Bangladesh*

Education

TEXAS TECH UNIVERSITY   *Lubbock, Texas*

M.SC IN COMPUTER SCIENCE   *Jan. 2025-Present*

- Got Competitive Scholarship

SICHUAN UNIVERSITY   *Chendu, Sichuan*

B.S. IN COMPUTER SCIENCE AND SOFTWARE ENGINEERING   *Sep. 2019 - Jun. 2023*

- Got Belt and Road Initiative Scholarship
- GPA– 3.65, Weighted Mark – 85.
- Service- Served as Class Monitor for the 2020 academic session.

Thesis

Breast Cancer Prediction by Analyzing Histopathological ImagesUsing Machine Learning.

Extracurricular Activity

Blood Donation Management System

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• I held the role of a technical leader in the Blood Donation Management System.

Project Team Leader

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• Led a project team in Internship Core, coordinating tasks and ensuring successful project completion within deadlines.
• Demonstrated strong organizational and team management skills by overseeing a team of 5 members to achieve project goals.

Farming/Agriculture

• evolved from ancestors, and I began my journey in agriculture at very early. As a result, I have acquired substantial knowledge about farming.

Technical Skills

Technical Skills:
Programming Languages: Python, C, C++, Java
Operating Systems: Ubuntu (primary), Windows
Machine Learning & Deep Learning: PyTorch, TensorFlow, Keras, Poutyne
MLOps Tools: Weights & Biases, TensorBoard
Libraries & Data Tools: NumPy, Pandas, OpenCV, scikit-learn, Matplotlib
Model Deployment: FastAPI, Streamlit, Flask
Version Control: Git, GitHub
IDEs: PyCharm, VS Code, MATLAB

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