

JANNATUL MAWA



CONTACT

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<https://github.com/Jannatulmawa20>

Portfolio:

<https://github.com/Jannatulmawa20>

SOFT SKILLS

- Project Management
- Teamwork
- Time Management
- Leadership
- Design Thinking
- Critical Thinking
- Digital Marketing

LANGUAGES

- English
- Bangla

PROFILE

Motivated Computer Science graduate with hands-on experience in Machine Learning and Deep Learning. Proven ability to develop, train, and evaluate models using Python, TensorFlow, and PyTorch. Eager to excel as an AI Developer, with a strong interest in RAG pipelines and agentic AI.

WORK EXPERIENCE

Data Solution 360

Present

Support Class Instructor

- Conducted training sessions on Data Science & Machine Learning.
- Guided students in Python, SQL, and visualization tools.

Product Sense

Present

Annotator

- Annotating datasets to support AI and ML projects.
- Ensured data quality and accuracy for model training.

International Standard University

2024 - 2025

Research Assistant

- Conducting literature reviews on emerging topics in computer science and technology
- Assisting in the development and analysis of research models and algorithms
- Collecting, organizing, and analyzing data using programming and statistical tools
- Contributing to the preparation of technical reports and academic publications
- Supporting faculty-led research projects in areas such as artificial intelligence, machine learning, and data science
- Participating in the organization of research events, seminars, and workshops
- Collaborating with team members to maintain research documentation and project timelines

EDUCATION

Bachelor of Science in Computer Science (CSE)

International Standard University (ISU)

2021 - 2025

CGPA: 3.29

Higher Secondary Certificate (HSC)

Chototulagaon Mohila College

2020

GPA: 4.90

PROJECT

1.RAG-based Company Policy Chatbot – Python, Streamlit, RAG

- Built a chatbot that answers company policy questions from internal PDF/text documents using embeddings and vector search.
- Implemented retrieval-augmented generation with source citations to provide accurate, non-hallucinated answers.

2.Developed and evaluated deep learning models (CNN, U-Net, YOLO) for brain tumor segmentation using Python, PyTorch, and TensorFlow, managing the end-to-end model training, hyperparameter tuning, and performance evaluation lifecycle.

3.Ride Sharing Price Prediction – Python, Scikit-learn, Streamlit

- Built and evaluated multiple supervised regression models (Linear, Decision Tree, Random Forest, Voting Regressor) to predict ride prices from 100k+ historical rides with rich contextual features.
- Deployed a Streamlit app that lets users simulate rides via an interactive UI and see real-time price predictions and insights.

SKILLS

- Programming Languages: Python, Java, JavaScript(Node.js)
- ML/DL Frameworks: TensorFlow, PyTorch, Hugging Face, scikit-learn, OpenCV
- Data & Tools: NumPy, pandas, MySQL, Django, Git
- Cloud & Platforms: AWS (familiar), JIRA
- AI Concepts: Machine Learning, Deep Learning, Model Training & Evaluation, Hyperparameter Tuning, Information Retrieval, AI Agents (Conceptual)

RESEARCH

"Advanced Deep Learning Detection Techniques for Accurate Identification & Segmentation of Brain Tumor Subtypes in MRI-Based Diagnostic Systems"

- Developed a deep learning model for segmenting and object detection using CNN, U-net, YOLO Model.
- Implemented the model using Python, Pytorch, Numpy, TensorFlow, and OpenCV, utilizing medical imaging datasets for training.

CERTIFICATE

- Data Science & Machine Learning at Data Solution 360
- Three days of Digital Marketing training at WIT Institute
- Three days of Digital Marketing training at Creative IT Institute
- AWS Getting Started with Compute, Storage and Database from Amazon Web Services (AWS)
- CRDP of ISU

CO-CURRICULAR ACTIVITIES

- Ambassador, ISU - Represented the university at events, promoting its values and engaging with new students.
- Batch Representative, ISU IT Club.

REFERENCE

Dr. Md. Hakikur Rahman
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Department of CSE
Phone: +880 9613737373
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Mekhala Mariam Mary
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Signature

