

Md Asfaqur Rahman

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Education

- **Rajshahi University of Engineering and Technology (RUET)**
BSc in Computer Science and Engineering CGPA: 3.31 / 4.00
- **Govt. Edward College, Pabna**
Higher Secondary Certificate (HSC), Science GPA: 5.00 / 5.00
- **Pabna Zilla School**
Secondary School Certificate (SSC), Science GPA: 5.00 / 5.00

Projects

- **ESN Project Manager** [GitHub]
 - Developed a RESTful web application using the Django framework for an enterprise social network focused on project management.
 - Implemented advanced user authentication, search functionality, project discussion features, and an admin panel.
 - Utilized SQLite3 database for data storage and management.
 - **Tools:** Python, Django.
- **Weather API with Advanced Caching** [GitHub]
 - Developed a Go-based RESTful Weather API that retrieves real-time weather data by city and integrates Redis caching to enhance performance and reduce external API calls.
 - Designed modular and efficient endpoints ensuring fast response time and scalability for concurrent user requests.
 - **Tools:** Go, Redis.
- **YOLOv8 Street Object Detection** [Kaggle]
 - Used a Kaggle dataset containing street images and corresponding bounding box annotations (CSV) for five object classes.
 - Preprocessed the dataset into YOLOv8-compatible format including label conversion and directory structuring.
 - Trained a pretrained YOLOv8 model and tested detection performance on a subset of the training images.
 - **Tools:** Python, TensorFlow, OpenCV.

Technical Skill

- **Languages:** C++, C, Python, HDL Verilog
- **Tools/Frameworks:** Django, REST Api, TensorFlow, OpenLane, Linux, GTKWave

Leadership / Extracurricular

- **Organizing Secretary, Pabna District Association, RUET** (June 2024-July 2025)
 - Coordinated student events, club activities, programs, and sports tournaments.