Apu Roy

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Nawabganj, Dhaka, Bangladesh

Objective

Aspiring AI Engineer/Data Scientist looking for an opportunity to take advantage of my skills in Python, FastAPI, and my academic knowledge of data structures, algorithm and research projects to build engaging and build machine learning model, build API while gaining real-world development experience.

Skills

Languages:	C, C++, Python, MySQL
Libraries:	NumPy, Pandas, Pydantic, Matplotlib, Sea-born, Scikit-learn
Frameworks:	FastAPI
Tools:	Git, GitHub, Colab, VS Code
Tech skills:	Algorithm, Data Structures, OOP, Machine Learning, Networking
Soft skills:	Team work, Problem solving skils, Quick learner, Interpersonal skills.

Education

Bachelor of Science in Computer Science and Engineering   July 2025
Southeast University, Dhaka, Bangladesh
CGPA: 3.52/4

Higher Secondary Certificate   Year: 2020
Science, Dohar Nababganj College
GPA: 4.67/5.00

Secondary School Certificate   Year: 2018
Science, Bandura Holy Cross High School
GPA: 5.00/5.00

Research

Machine Learning
Design of risk prediction model for esophageal cancer using machine learning

  Data cleaning, Feature engineering, Feature selection with accuracy 99.58%

Languages & libraries: Python, Numpy, Pandas, Scikit-learn, Matplotlib
Tools: Google colab

Projects

- **Blood Bank Management System**
  Front-end: HTML5, CSS3, Bootstrap, Javasrcipt
  Back-end: PHP, MySQL

- **Extract Blood Vessels from the Eye Fundus Image & Extract Lesions from Melanoma Image**
  Python, Tkinter, CV2, numpy, skimage, pillow

- **Smart Car Parking System**   Arduino Project

- **Database for Multipurpose Cooperative Society**   MySQL