

# Sajid Mostafiz Noor

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## Education

<b>Bangladesh University of Engineering and Technology (BUET)</b>	Dhaka, Bangladesh
B.Sc. in Computer Science and Engineering (CSE)	2022 – 2026
<b>CGPA: 3.66 / 4.00</b>	
<b>Notre Dame College</b>	Dhaka, Bangladesh
Higher Secondary Certificate (Science)	2018 – 2020
<b>GPA: 5.00 / 5.00</b>	

## Research Experience

<b>Next-Generation Computing Lab, BUET CSE</b>	2024 – Present
• Collected data using wearable sensors, performed thematic analysis, and surveys for ongoing lab projects.	
• Analyzed and visualized data on the heat impact of rickshaw pullers including data preprocessing and result interpretation.	
<b>Undergraduate Thesis: Detecting Driving Behaviour Using Machine Learning</b>	2025 – Present
Department of Computer Science and Engineering, BUET	
• Analyzing the Polydriving dataset containing multi-driver time-series sensor data to identify aggressive and normal driving behaviour patterns.	
• Extracting relevant features using various feature selection algorithms.	
• Applying machine learning and deep learning models to classify driving behaviours and optimized model performance.	

## Publications

<b>Forecasting Occupational Survivability of Rickshaw Pullers Under a Changing Climate</b>	2023 – Present
Published in ACM IMWUT	
• Analyzed physiological stress under extreme heat using wearable sensor data.	
• Applied Bayesian regression to model occupational heat-risk and survivability and integrated CMIP6 climate projections to forecast long-term climate impact.	
• Conducted data preprocessing, statistical modeling, and result validation.	

## Projects

<b>BUET Fantasy Premier League</b>	July 2025 – September 2025
• Built a fantasy sports platform modeled after the Premier League FPL system.	
• Developed RESTful APIs, scoring algorithms, and real-time leaderboards.	
• Enabled users to view player statistics, fixtures, and match results.	
<b>ExamCraft – AI-driven Exam Preparation Platform</b>	February 2025 – August 2025
• Developed an AI-powered platform for quizzes, flashcards, and mock exams.	
• Implemented AI-based question generation and spaced-repetition learning.	
• Delivered performance analytics and personalized study recommendations.	

## Awards & Scholarships

- **Dean's List Scholarship**, BUET – January 2022 (Level-1,Term-1) ; July 2021 (Level-1,Term-2)

## Skills

**Programming Languages:** Python, Java, C, C++, JavaScript, TypeScript

**AI & Machine Learning:** Machine Learning, Deep Learning, TensorFlow, PyTorch, Scikit-learn

**Frontend, Backend & APIs:** React, Next.js, Tailwind CSS , Node.js, NestJS, FastAPI, REST APIs

**Databases & DevOps:** MySQL, MongoDB, Docker, Git, GitHub Actions, Vercel