



Shahed Pervez Nokib



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About Me

I recently graduated from the esteemed Department of Computer Science and Engineering (CSE) at BRAC University, and I am passionate about Machine Learning (ML), Machine Vision, Robotics, and mathematics. I bring a dynamic skill set encompassing web development and proactive involvement in various extracurricular activities.

EDUCATION

Bachelor of Science in Computer Science and Engineering (2020-2024)

BRAC University, Dhaka, Bangladesh | CGPA - 3.71 out of 4.0

Higher Secondary Certificate (2019)

Dhaka City College, Dhaka, Bangladesh | CGPA - 5 out of 5

Secondary School Certificate (2017)

Monipur High School & College, Dhaka, Bangladesh | CGPA - 5 out of 5

PROJECTS

Tiny-ML based Person Identification

This is a built-from-scratch project in which, with the help of a tiny device like an ESP-32 cam, we can identify a person in real time, even in motion. The technologies used are:

- Modified facial recognition models like mobilenet, facenet etc.
- Self-made dataset.
- ESP-32 Cam designed with own interface.

GitHub Link: <https://github.com/nokib-101/facial-recognition>

Real Estate Web Application

Tech Stack: Django, PostgreSQL, HTML/CSS, Bootstrap, Git, SMTP (Gmail).

- Developed reusable Django apps with clean URL routing and template structure.
- Integrated PostgreSQL as the backend database and managed schemas and queries via pgAdmin4.
- Enabled property search, detailed listing views, and realtor contact forms with email notifications using Gmail SMTP.

GitHub Link: <https://github.com/nokib-101/Real-Estate-Project>

LEADERSHIP

President

BRAC University Adventure Club (May 2023- March 2024)

Key responsibilities:

- Provide strategic leadership and direction for our adventure club.
- Oversee the planning and execution of our club activities, including outdoor trips, workshops, and events.
- Manage our club finances, including budgeting, fundraising, and expense tracking.
- Recruit and train our club members, fostering a sense of community and teamwork.

Head of Machine Vision

BRACU Duburi

Key responsibilities:

- Design and implement machine vision algorithms for underwater object detection, tracking, and classification.
- Oversee integration of cameras, sonar, and other imaging sensors into the robot system.
- Enhance vision algorithms for real-time performance and low-light, high-pressure underwater environments.
- Develop and execute testing protocols to validate vision system performance in underwater conditions.

SOFT SKILLS

- Communication Skills
- Problem-Solving Abilities
- Analytical Thinking
- Attention to Detail
- Time Management
- Teamwork and Collaboration
- Adaptability
- Creativity
- Critical Thinking
- Leadership Skills
- Presentation Skills

HARD SKILLS

- Programming Languages: Python, Java(Beginner)
- Machine Vision
- Robotics (Sensors and Circuits)
- Data Analysis Tools: Pandas, NumPy
- Database Management: MySQL
- Data Visualization: Matplotlib, Metabase
- Other Profeciences: Figma, Draw.io,
- Microsoft Office Suite
- Photography

Achievements

- First Runner Up in Physis Olympiad organized by WRE Department of BUET
- Several prizes at national events for Photography

REFERENCES

Roksana Hossain Shimu
Software Engineer
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MD Mehedi Hasan Shawon
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BRAC University
01988287556