

# NAHID AHMED SHIHAB

ELECTRICAL AND ELECTRONIC ENGINEERING AT  
BRAC UNIVERSITY



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## SKILLS

### CAD

- SolidWorks, Fusion 360 used on various projects involving , sheet metal design and molding.

### MECHANICAL & SOFTWARE

- 3D Design and Printing used to rapidly prototype parts Created 3D models based on .
- Blender, Unity, Unreal engine 4, Unreal engine 5 used to create complex 3D models , game environments. Involving virtual life environment and also which can be photo-realistic.

### ELECTRICAL & SOFTWARE

- Eagle CAD, PSpice, Tinkercad , MATLAB, Soldering etc.
- PCB designing

### CODING & WEB DEVELOPMENT

- HTML, CSS, JAVAScripts used to create many websites.
- Also have knowledge on C, C++, Python used to create awesome projects such as Gesture recognition and Voice assistant like Jarvis

### ROBOTICS & Automation

- Arduino , sensors, 3D and real life implementation.
- Image processing and recognition.
- Crafting real life models .
- Coding and management.
- 25+ project already been done.

## EDUCATION

### BRAC UNIVERSITY

Bachelor of Science in Electrical and Electronic Engineering

2020 - Present

## PROJECTS

### TRIOKILL-Sect

- It a self operated insect killing team project. we have made 3D modeling and animation.
- Team Omnishock, Our project got 4th in Robo Nokshar Ashor

### BRACU Duburi

- I'm a part of Bracu Duburi , Senior member mechanical team.
- **Bracu Duburi**, Bangladesh's First Underwater Autonomous Vehicle, has been one of the most successful student projects of BRAC University.

### Basic projects

- Line following robot
- Object avoiding robot
- Distance measuring robot
- Rc race car
- Soccer bot.

### Jarvis(Voice Assistance)

- It a self project from interest.
- Can recognise voice and commads and execute command as per asked

## EXTRACURRICULARS

### • ROBOTICS

EXECUTIVE

**Robotics Club of BRAC University**

25+ projects, 56 certificates and awards

### • Taekwondo (Martial Arts)

Bangladesh Taekwondo Federation

Black Belt 2nd DAN. 19 Golds,6 sliver,

2 bronze and 4 International Awards

### • ROVER BRACU DUBURI

Senior member of Mechanical team, BRACU DUBURI