Md. Sayed Farhan

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EXPERIENCE

US-BANGLA AIRLINES *MAR 2023 - Present*

CAMO Engineer (Engineering Planning & Technical Records)

- Prepare Work Packages for all Schedule and non-schedule Maintenance.
- Forecasting of the due list of components (Ratable / Discard) in advance of the due replacement date / time.
- Fill up & update ratable Component History Cards and attach copy of the approve certificate with the respective history card as received from the Store Inspector.
- Maintain and update Last Done Next Due (LDND) Status of the fleet (ATR 72-600).
- Maintain and update Hard Time, Life limit & On-Condition Item installed in Aircraft.

EDUCATION

Ahsanullah University of Science & Technology *Dhaka, Bangladesh*

B.Sc. in Electrical & Electronic Engineering *April 2018 – January 2023*

CGPA: 3.664/4.00

Undergrad Thesis: Quantum Simulation Study of Carbon Nanotubes with High 'K' Dielectrics

Dhaka Residential Model College *Dhaka, Bangladesh*

Group: Science *July 2015 - May 2017*

GPA: 5.00/5.00

Dhaka Residential Model College *Dhaka, Bangladesh*

Group: Science *February 2015*

GPA: 5.00/5.00

ACADEMIC HONORS

- Dean's List of Honor in consecutive two semesters *2019*

TECHNICAL SKILLS

- Programming Languages: C, C++, MATLAB, Verilog, HTML.
- Tools: Google Workspace, Code blocks, MATLAB, Arduino.
- Simulators: OrCAD, Pspice, Quartus, Proteus, Cadence, AutoCAD, Tinker CAD, Origin.
- Design Software: Adobe Photoshop.
- Office tools: Microsoft Word, PowerPoint, Excel.

PROFESSIONAL TRAINING

- Safety Management System Workshop *May 2023*
- Electrical Wiring Interconnection System of Boeing Fleet *August 2023*

ACADEMIC PROJECTS

- *Noise Reduction using MATLAB*
  Using MATLAB to record voice, filter the recording through mathematical analysis and reduce the background noise.

- *Wireless DC motor control using generic remote*
  Controlling a DC motor with a remote control, a 555 timer, or power electronics devices is useful for day-to-day device control.
- *Underground Fault detection device*
  Using Arduino Uno faults in power line system was detected and analyzed at several distances.
- *Two-way traffic system using Arduino Uno*
  Building a traffic control system that helps control the traffic in congested areas, keeping in mind that the whole system should be cheap and easy to maintain.

RESEARCH INTEREST

- Nanoelectronics
- Optoelectronics
- Bio Electronics
- CNTFET based modeling and simulation, characterization & quantum devices.

CAMPUS INVOLVEMENT

- Institute of Electrical and Electronics Engineers (IEEE) *2021-2022*
- Member, AUST EEE Society 2018-2022
- AUST Innovation & Design Club *2018-2022*

EXTRACURRICULAR ACTIVITY

- Organizing member, AUST EEE day cultural program *2022*
- Participant in Walton laptop represents Mindspark'22 *2022*
- Participant in AUST EEE Week Techfiesta'18 *2018*
- Participant in Hult Prize at AUST *2019*
- Winner of Intra Department Debate Competition *2018*

PUBLICATIONS

- Parametric Dependency of Charge Transport in a Carbon Nanotube-Based Field Effect Transistor: A Numerical Simulation.
- Parametric Simulation Study of Control Coefficients on the On-Off Current Ratio of Single-Walled Carbon Nanotube Field Effect Transistor (EJECE).
- Numerical Analysis of Diameter Dependency of Control Coefficient of Carbon Nanotube Field Effect Transistor.
- Performance Analysis of Thickness Dependency of Control Coefficients of CNTFET.

REFERENCE

1. Md. Faysal Nayan
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   Department of Electrical & Electronic Engineering
   Ahsanullah University of Science & Technology
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   Email: nahid.eee@aust.edu