

Curriculum Vitae  
Of  
**Shawan Karmokar**  
Prattasha Bhaban  
Wirelesspara, Shriangan 7804, Faridpur.  
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## Career Objective

To contribute my expertise in electrical and electronics engineering to a forward-thinking organization where I can leverage my skills and knowledge for innovative solutions and contribute to the company's continued success. I am eager to bring my expertise in electrical and electronics engineering to Wintel Bangladesh, where I can apply my skills to develop innovative solutions and drive efficiency. I look forward to contributing to the company's success by tackling challenges, optimizing processes, and staying at the forefront of technology. My goal is to be part of a dynamic team that values innovation and continuous growth.

## What makes me different

I am a detail-oriented engineer with a strong track record in reliability, punctuality, and results-driven performance. My expertise spans electrical maintenance, IT support, electronics, and microcontroller programming, allowing me to tackle challenges from multiple perspectives. As an active researcher with published work, I stay engaged in engineering communities, continuously learning and collaborating. With a strategic mindset and a selective approach, I focus on high-impact tasks that maximize efficiency. My problem-solving skills and technical acumen make me a valuable asset for Wintel Bangladesh, driving innovation and operational excellence.

## Academic Background

- **B.Sc in Electrical & Electronic Engineering**  
May 2014 – April 2018  
CGPA: 3.22 (OUT OF 4)  
**American International University-Bangladesh (AIUB), Dhaka**  
LOCATION: DHAKA
- **Higher Secondary Certificate(H.S.C)**  
RESULT: 4.1 (OUT OF 5)  
Group: Science  
**Govt. Yasin College**  
LOCATION: FARIDPUR
- **Secondary School Certificate (S.S.C)**  
RESULT: 4.63 (OUT OF 5)  
Group: Science  
**Kushtia Zilla School, Kushtia**  
LOCATION: KUSHTIA

## Employment history

- 2. OPPO BANGLADESH COMMUNICATION EQUIPMENT LTD.**  
POST: MAINTENANCE ENGINEER  
Job Location: Dhaka  
DEPARTMENT: ENGINEERING  
Duties/Responsibilities:  
Smartphone maintenance, Customer support.
- 3. IFIC BANK PLC.**  
POST: ASSISTANT OFFICER  
Job Location: Faridpur, Shariatpur Branch  
DEPARTMENT: GB, IT SUPPORT.  
  
Duties/Responsibilities:  
Handled cash and cheque receipts and payments, IT support, fund transfers, General Banking.

### »Projects I have worked with

- Microcontroller-Based Blind Guidance System using the sonar sensor.
- Auto Intensity Control of Street Lights using LDR and Arduino Nano.
- IoT Based Antenna Positioning System.
- Sun tracking solar panel using Arduino.
- Water level indicator.
- Dual Axis Solar Tracking System with Weather Sensor.

### »Academic research and publication

- “**Microcontroller based lp gas detector & safety system using gsm module with IOT**”, Final year Project and Thesis Report for B.Sc. in Electrical and Electronic Engineering, American International University - Bangladesh, April 2018.
- Later published as “**A Smart Approach of LPG Monitoring and Detection System Using IoT**” based on further research and project works and published at the 11th International Conference on computing, communication, and Networking Technologies (ICCCNT), IIT-Kharagpur, West Bengal, India 2020.
- “**Microcontroller-based intelligent greenhouse environment monitoring and controlling system.**” published on 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE).

#### ❖ Skills

- Installation & troubleshooting of Software’s & Hardware Devices
- Arduino
- Microcontroller
- Basic Python language
- Linux
- Programming language C
- Proteus

### » Training

Training Title	Topic	Institute	Year	Duration
<b>IT SUPPORT TECHNICAL</b>	Introduction to IT, Hardware, System and Application, Software Overview, Troubleshooting, Operating System, Networking.	BITM, Bangladesh	2018	3 Months
<b>CCNA</b>	Basic Switch and End Device Configuration, Protocols and Models, Number Systems, Network Layer, Address Resolution, Basic Router Configuration, IPv4 Addressing, Network Security Fundamentals	NACTAR, BOGURA	2024	6 Months

**» Language**

- ☐ English  
☐ Bangla(native)

**» Extracurricular activity**

- Member and volunteer at "AIUB COMMUNITY OF ENGINEERING STUDENTS" organizing various seminars and workshops.
- Active Member of Non-Profitable Social Organization 'Radio Faridpur', organizing member of Blood Donation Camp held in Faridpur, collecting and donating winter clothes, charity programs during the corona pandemic, and any social disaster.
- Attended seminar on "Nuclear Energy and Its Prospect in Bangladesh", the seminar was inaugurated by honorable Prof. Dr. Tafazzal Hossain, Prof. Dr. M.A. Wadud Mondal, and the keynote speaker of the seminar, Prof. Dr. Afroza Shelley at AIUB, Bangladesh.
- Attended a workshop at AIUB based on "PSIM" and got a certificate on my performance.

**» Personal Profile**

Father's Name : Late Biraz Kumar Karmokar  
Mother's Name : Joshna Rani Karmokar  
Date of Birth : 31 December 1995  
Gender : Male  
Marital Status : Single  
Nationality : Bangladeshi  
Permanent Address : P/O: Gohailbari, PS: Boailmari, Zilla: Faridpur

**» References**

Saniat Rahman Zishan Senior Assistant, Professor, Dept. of EEE & CoE, Head (CoE Dept.), Special Assistant (OSA) America International University, Dhaka Email: <a href="mailto:saniat@aiub.edu">saniat@aiub.edu</a> Cell: 01720191713	Md. Habibur Rahman AVP & BM IFIC BANK PLC Kushtia Branch, Kushtia Email: <a href="mailto:md.habib@ificbankbd.com">md.habib@ificbankbd.com</a> Cell: 01730711356
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I hereby declare that the above-mentioned statements are true to the best of my knowledge.

  
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SHAWAN KARMOKAR