

## DIPANJAN SWARNAKAR

Bottom floor (right-side), 231No.Building, North  
Shahjahanpur, Dhaka-1217.

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Email: [dswarnakar172010@bseee.uiu.ac.bd](mailto:dswarnakar172010@bseee.uiu.ac.bd)

Github: <https://github.com/Dipanjan98>

Portfolio: <https://dipanjan98.github.io/>



### **OBJECTIVES:**

To serve in a responsible administrative position at a well-structured organization and successfully apply acquired managerial and interpersonal skills to enhance organizational efficiencies.

### **ACADEMIC QUALIFICATION:**

- Bachelor of Science in Electrical and Electronics Engineering (EEE)
  - ❖ Institution: United International University, Dhaka, Bangladesh.
  - ❖ Major: Electronics
  - ❖ Minor: Computer
- Obtained CGPA: 2.55
- Higher Secondary School Certificate (H.S.C)
  - ❖ Institution: Motijheel Govt. Boys High School (Attending year: 2014 & Obtained GPA:4.17)
- Secondary School Certificate (S.S.C)
  - ❖ Institution: Motijheel Model High School and college (Attending year: 2012 & Obtained GPA:5.00)
- Junior School Certificate (J.S.C)
  - ❖ Institution: Motijheel Model High School and college (Attending year: 2011 & Obtained GPA:4.07)

### **Experience:**

- Virtual Deputy IYS Co-ordinator  
Part-time  
Workplace Skills Development Academy, New Zealand  
May 2020- January 2021
- Referral Agent  
Part-time  
OK Student - University Advisory Centre, United Kingdom  
May 2021-Present

- Partner Counsellor And Referral Agent  
Part-time  
Admissionboard - Plot-  
1/1,Road-07,Block-D,Mirpur-6,Dhaka,Bangladesh  
May 2021-Present
- Customer Relations Officer  
Part-time  
Circuit Solution LTD  
Mirpur, Dhaka, Bangladesh  
May 2021-June 2021
- Human Resource Assistant  
Internship  
GAO Tek Inc. 244 Fifth Avenue, Suite A31, Manhattan, New York, N.Y.,  
10001, USA  
June 2021-Present
- IT Officer  
Internship  
Ignite Youth Foundation  
Dhaka, Bangladesh  
July 2021-Present
- Sales And Marketing Officer  
Internship  
JailbreakVPN.com (A Cybersecurity Firm)  
Dhaka, Bangladesh  
July 2021-Present

## **EDUCATION/TRAINING:**

- Robotics: Aerial Robotics from University of Pennsylvania via Coursera.  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/VLV8S8WHKPZ3>
- Software Security from University of Maryland, College Park via Coursera.  
Credential URL: <https://coursera.org/share/4d7e0a8cee1bbb079f3d994a82cf04b3>
- Introduction to Machine Learning from Duke University via Coursera.  
Credential URL: <https://coursera.org/share/15f57bef33aa4e164f9212a9840467b0>
- Psychological First Aid from Johns Hopkins University via Coursera.  
Credential URL: <https://coursera.org/share/e08cf002a71d2d231b697b2f9ea944f0>
- Programming for Everybody (Getting Started with Python) from University of Michigan via Coursera.  
Credential URL: <https://coursera.org/share/4b632484a0da45bfda732a211ea7a67c>

- Python Basic from University of Michigan via Coursera.  
Credential URL: <https://coursera.org/share/68bfee3b92be0793f04e5c8a827631c9>
- Python Data Structures from University of Michigan via Coursera.  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/E965TBJN8QXV>
- Create a Project Management Tracker using Google Sheets via Coursera.  
Credential URL: <https://coursera.org/share/02597364d5180189463a016bdbb4bdf0>
- Creating a Free Business Page with Blogger via Coursera.  
Credential URL: <https://coursera.org/share/07a2e6af5d48e91ebfc6fd94b5c0efe9>
- Search Engine Optimization (SEO) with Squarespace via Coursera.  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/67T8QX32B87W>
- Introduction to Basic Game Development using Scratch via Coursera.  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/TL7YV6GQTT8Q>
- Getting Started with Azure DevOps Boards via Coursera.  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/A9P295R4HGPR>
- Semantic Segmentation with Amazon Sagemaker via Coursera.  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/5SXPNUHDE7AL>
- AWS Cloudfront: Serve content from multiple S3 buckets  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/H9ZCTDD3ZH5M>
- Machine Learning Pipelines with Azure ML Studio  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/FWTPGURYMF7P>
- Introduction to CRM with HubSpot  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/7VENYW3Z5XW6>
- Use Canva to Create Desktop and Mobile-friendly Web Pages.  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/DAKB7SP26UBM>
- Building a Business Presence With Facebook Marketing  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/VEWFW9Q26Q2S>
- Azure Synapse SQL Pool - Implement Polybase  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/E4TWGDFT7U9R>
- AWS S3 Basics  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/T6VY6ZSYR4XR>
- Create a Storyboard using Canva  
Credential URL: <https://www.coursera.org/account/accomplishments/certificate/4VC26LUMHRLI>

- Digital Security Essential from MuktoPaath.  
Credential URL:  
<http://admin.muktopaath.gov.bd/public/storage/uploads/certificates/ff0121853886bbd207abde2cc64eed33.jpg>
- Basic Graphic Design from MuktoPaath.  
Credential URL:  
<http://admin.muktopaath.gov.bd/public/storage/uploads/certificates/c25968533f5854710c66771baf43323f.jpg>
- CV Writing from MuktoPaath.  
Credential URL:  
<http://admin.muktopaath.gov.bd/public/storage/uploads/certificates/d4c39e093e407efd8c7782bfd5fd10a1.jpg>
- Spoken English from MuktoPaath.  
Credential URL:  
<http://admin.muktopaath.gov.bd/public/storage/uploads/certificates/98862c7644e16eada8b2aa9b78a3a7b7.jpg>

### **Research Experience:**

- WALL-E Mars Rover  
(2017)  
-Build a rover for Mars for University Rover Challenge.  
-Got a certificate of participation.
- IoT Based Smart Air pollution Monitoring system  
(2021-Present)  
- Creating a tool which will monitor the quality of air.  
- Identify different gases present in air.  
- Power consumption will be less.
- Action-Potential independent ion transportation and the effects of feedback in threshold spectrum.  
(2019-Present)  
- Ion transportation between central neurons, the threshold for spike initiation can depend on the stimulus and varies between cells and between recording sites in a given cell.  
-Identify the feedback in threshold spectrum.
- Becker - A Home Assistant Robot for Elderly and Handicapped People  
(2017-Present)  
- Creating a Home Assistant Robot.  
- Helpful for Handicapped People

### **KEY PROJECTS:**

- DESIGN A PD controller for a given RLC circuit to IMPROVE its SETTLING TIME  
Project link: <https://github.com/Dipanjan98/DESIGN-A-PD-controller-for-a-given-RLC-circuit-to-IMPROVE-it-s-SETTLING-TIME.git>
- Design of local minima/maxima circuit in cadence  
Project link: <https://github.com/Dipanjan98/Design-of-local-minima-maxima-circuit-in-cadence.git>
- Microcontroller based boost converter to be use in PV system  
Project link: <https://github.com/Dipanjan98/Microcontroller-based-boost-converter-to-be-use-in-PV-system.git>
- Class room protector  
Project link: <https://github.com/Dipanjan98/Class-room-protector.git>
- Solving bus voltages and line flows using Newton Raphson Power flow method in MATLAB for a power system.  
Project link: <https://github.com/Dipanjan98/Solving-bus-voltages-and-line-flows-using-Newton-Raphson-Power-flow-method-in-MATLAB-for-a-power-sys.git>
- Modulation & Demodulation three message signal and run in a single .slx file as user demand.  
Project link: <https://github.com/Dipanjan98/Modulation-Demodulation-three-message-signal-and-run-in-a-single-.slx-file-as-user-demand..git>
- Smart Home Management (IOT)  
Project link: <https://github.com/Dipanjan98/Smart-Home-Management.git>
- Classroom Monitoring with RFID  
Project link: [https://github.com/Dipanjan98/Classroom\\_Monitoring\\_with\\_RFID.git](https://github.com/Dipanjan98/Classroom_Monitoring_with_RFID.git)

### **Honors and Awards:**

- International Robots Got Talent by Techkriti, the annual Technical and Entrepreneurial Festival of IIT Kanpur.  
Issuer: IIT Kanpur (2017)  
-Performed well and stood 2nd runner up there.
- Group Presentation Competition by UIU.  
(2017)  
- I was leading my team there and managed to win with a trophy.

### **PARTICIPATION IN CONFERENCE AND SEMINAR:**

- Training on “Comprehensive Disaster Management Programme (CDMP-II)-Community Level Volunteer Training Programme”, 14-16 February, 2015 organized by Bangladesh Fire Service and Civil Defense, Dhaka, Bangladesh.

- Training on “Disaster Response Team”, 15-19 May, 2015 organized by Bangladesh Scout in Collaboration with ERF&UNDP, Dhaka, Bangladesh.
- Training on “Becoming the agent of peace ” 11 March, 2019 organized by Project Sampreeti ,United International University, Dhaka, Bangladesh.
- Training on “ Youth for a Peaceful Cyberspace ” 12 March, 2019 organized by Project Sampreeti, United International University, Dhaka, Bangladesh.
- Training on “ Establishing a Culture of Tolerance through Human Rights Education ” 23 March, 2019 organized by Project Sampreeti, United International University, Dhaka, Bangladesh.
- Seminar on “Global Vendor Management and Communication”, 13 April, 2019 organized by Kazi IT Center Ltd.(KITC), United International University, Dhaka, Bangladesh
- Training on “ Presentation Masterclass ” 12 May, 2019 organized by UIU JUNIOR ECONOMISTS FORUM, United International University, Dhaka, Bangladesh.
- Seminar on “ Career Boot Camp”, 13 March, 2019 organized by Kore Search ,United International University, Dhaka, Bangladesh.
- Seminar on “ Promoting a Peaceful and Tolerant Bangladesh”, 10April, 2019 organized by IDSS of UIU, United International University, Dhaka, Bangladesh.
- Seminar on “ International Youth Summit 2020”, 12 June, 2020 organized by John Faisandier, Chairperson, IYS 2020.

### **VOLUNTARY WORK AND CO-CURRICULAR ACTIVITIES:**

- Worked as a Rover-Mate (RM) in Bangladesh Scout.
- Worked as a Volunteer in Bangladesh Fire Service and Civil Defense (FSCD).
- Worked as a Volunteer in “Youth Intervention for Peace and Harmony: Building Bridges for Prevention of Extremism and Radicalism in Bangladesh”, Six months Project of IDSS, UIU.
- Worked as a Volunteer in “SIAS” club in UIU.

### **TECHNICAL SKILLS:**

- Mechanical Engineering Drawing.
- Engineering Drawing in Auto Cad, Solid Works
- Basic Flow Simulation in ANSYS

- Programming Language in C, Python , JavaScript
- MatLab
- Pspice
- NI Multisim
- MS Word, Excel, PowerPoint, Onenote, Project, Visio
- Proteus
- AutoCAD
- EAGLE
- Codeblocks
- Cadence Design Systems
- OrCAD
- Tinkercad
- Arduino
- Cisco Packet Tracer
- ReadyTech
- Photoshop
- Canva
- Adobe XD
- v-ray
- Autodesk 3ds Max
- Laravel
- Wireshark

### **PERSONAL DETAILS:**

Fathers Name: Late Dilip Swarnaker

Mothers Name: Kalyani Swarnaker

Date of birth: 07/11/1998

Present Address: Bottom floor (right side), 231 no. Building, hackbapari goli, amtola mosjid's goli , north shahjahanpur, Dhaka-1217

Permanent Address: ***Village:*** Dhopadanga, ***Post office:*** Sakhipur, ***P.S.:*** Debhata, ***District:*** Satkhira.

### **LANGUAGE SKILL:**

- Bangla (Native)
- English (oral, writing and listening)
- Hindi (oral, listening)
- German(listening)
- Spanish(listening)

## **REFERENCE:**

***Khalid Md. Bahauddin***

Regional Focal Point- South and Central Asia (Disaster Risk Reduction)

United Nations Major Group for Children & Youth (UNMGCY).

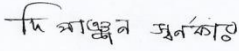
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## **DECLARATION:**

I, the undersigned, certify that to best of my knowledge & belief, this resume correctly describe my qualifications & me. I understand any willful misstatement described here may lead to my disqualification.



DIPANJAN SWARNAKAR

Date: 24-08-21