DIPANJAN SWARNAKAR

4th floor,House:96 ,Malibagh 1st Lane,Dhaka.
Contact no: +8801681480332
Linkedin: www.linkedin.com/in/dipanjan-swarnakar-837646108/
Email: 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, Communication
- Obtained CGPA: 2.66
- 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
- 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- October 2021
- IT Officer
  Part-Time
  Ignite Youth Foundation
  Dhaka, Bangladesh
  July 2021-Present
- Information Technology Officer
  Internship
  YSHH
  Dhaka, Bangladesh
  August 2021-Present
- Coding Educator
  Full-time
  BrightChamps
  Dhaka, Bangladesh
  October 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
- Wireshark: Packet Analysis and Ethical Hacking: Core Skills via Udemy.

Credential URL:
https://www.udemy.com/certificate/UC-b461bc84-47a5-43e6-a189-844c5c15fc51/

- 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/4VC26LUMHRLL

- 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:

- Designed a Language Learning System
  Project link: Dipanjan98/DSA-language-learning-system (github.com)
- Designed a Study Resources System (LMS)

Project link: Dipanjan98/DSA-Study-Resources-LMS- (github.com)

- 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 massage signal and run in a single .slx file as user demand.
  Project link: https://github.com/Dipanjan98/Modulation-Demodulation-three-massage-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

- Made some Python Based Simple Games
  Project link: Dipanjan98/Python-Based-Simple-Games (github.com)

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.

PERTICIPATION 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.
- Node.js
- 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
- PhP
- Canva
- Adobe XD
- v-ray
- Autodesk 3ds Max
- Laravel
- Wireshark
- Blender
- Adobe Illustrator
- OpenGL

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).
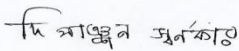United Nations Headquarters, 405 East 42nd Street
New York, NY, 10017, USA.
E-mail: khalid.bahauddin@childrenyouth.org/ khalid.bahauddin@gmail.com

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: 21-11-21