

Swarup Dey Sarkar

deysarkarswarup123@gmail.com
+91 7044289826
Kolkata

 /in/deysarkarswarup/

 /deysarkarswarup

 /deysarkarswarup

 swarupdeysarkar.epizy.com

EDUCATION

Master of Computer Applications (MCA), (2018 - 2021)

Heritage Institute of Technology, Kolkata (Autonomous)
CGPA: 7.70/10

Bachelor of Science (B.Sc.), Computer Science (2014 - 2018)

St. Xavier's College, Kolkata (Autonomous)
Percentage: 58%

XII (Higher Secondary) (2011-2013)

WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION Board
(Nava Nalanda Higher Secondary School)
Percentage: 74.00%

X (Secondary) (2009-2011)

WEST BENGAL BOARD OF SECONDARY EDUCATION Board
(Nava Nalanda High School)
Percentage: 76.00%

EXPERIENCE

Society for Natural Language Technology Research (SNLTR), Kolkata — SDE Intern

FEB 2020 - PRESENT

Working as a web developer. I used HTML and CSS and various frameworks in the front end and PHP, jQuery, Ajax, JavaScript in the backend. In one of our projects we developed a translation web app which translates various English terminologies into corresponding Bengali terminologies. Below in the projects section it is discussed elaborately.

KernelSphere Technologies Pvt. Ltd., Kolkata — Student Intern

JUN 2019 - JUL 2020

Worked on Internet of Things and Embedded Systems using Arduino, Raspberry Pi, Node

SKILLS

Web Development
Internet of Things (IoT)
Embedded Systems
Android Development
Machine Learning
Deep Learning
Data Science
Web Scraping
Adobe Photoshop
Adobe Illustrator
Adobe After Effects
Adobe Premiere Pro
Adobe Flash
Proficiency in:
English, Bengali and Hindi

LANGUAGE

C
C++
PHP
Python
HTML/ CSS
JavaScript
jQuery
XML
SQL
AJAX
PL/SQL

POSITIONS OF RESPONSIBILITY

Professional chess player

- Won Gold Medal in East Zone Inter Universities' 2016.
- Participated in the Commonwealth Chess Championship' 2015.

MCU, etc. Build ATM Pin verifications using Arduino, Home Automation, Smart Waste Management Systems, Smart Irrigation System, and many more.

Internshala Student Partner, Online
—Campus Ambassador

DEC 2019 - MAY 2020

Member of the Internshala's campus ambassador program for Heritage Institute of Technology, Kolkata. During this period, I promoted Internshala and its products successfully in my college.

PROJECTS

Translation Web App — Feb 2020 - March 2020

This was one of the internship projects where we designed a translation web app which translates various English Terminologies into corresponding Bengali Terminologies and vice-versa. These terminologies are commonly used in Meteorological departments, Schools and Offices.

User Admin Authentication System for Data Entry Operations
— May 2020 - June 2020

This was another internship project where we designed an User-Admin Authentication and Data Entry System. Various english terminologies were first scraped from newspapers and then stored in a SQL Table. Later these terminologies were used as a keyword to store details of them.

Video Calling Android App — Feb 2020 - March 2020

https://github.com/deysarkarswarup/Video_Call

This was Smart India Hackathon'20 project. We built an Android App that will inform Police about crime/ emergency. Using our Map Interface & Chat System Police will be informed. My part was creating a Chat & Video Calling system to avoid Prank Call.

Firebase Chat Android App — Feb 2020 - March 2020

<https://github.com/deysarkarswarup/chat>

This was also a Smart India Hackathon'20 project as mentioned above. Using this chat system an observer will be able to inform police about a crime/ emergency.

Facial Emotion Detection — Oct 2019 - Nov 2019

https://github.com/deysarkarswarup/Facial_Emotion_Detection

Build a simple real-time emotion detector using Keras and OpenCV library. Kaggle Facial Expression dataset was used. The accuracy was around 59%.

Smart Irrigation System — Sep 2019 - Oct 2019

This project is all about irrigating my indoor plants in a smart way. I connected the Soil

- Won Silver Medal in Associations of Indian Universities' 2014.
- Won Bronze Medal in East Zone Inter Universities' 2014.

Self Taught Artist

- Exhibited Shadow and Substance'2016 at Rabindra Tirtha.
- Artworks were exhibited by Wallbrush'2015 at St. Xaviers College, Kolkata.

NATIONAL SERVICE SCHEME (NSS)

Social work and Game events coordinator.

JULY 2014 - JULY 2017
Maria Sneha Sadan School,
St. Xavier's School, Gurap

AWARDS AND CERTIFICATIONS

- Internal Hackathon winner for SIH' 2020.
- Google Cloud certified on GCP Big Data And Machine Learning Fundamentals on Coursera Platform.
- IBM certified on Data Science on Coursera Platform.
- Multiple Linear Regression with scikit-learn Project Certification on Coursera.
- Predicting House Prices with Regression using TensorFlow Project Certification on Coursera.
- University of Michigan certified on

moisture sensor with NodeMcu which has an ESP8266 wifi module. My smartphone was connected over that network and I can remotely irrigate my plants.

Smart Waste Management System — Sep 2019 – Oct 2019

This project is made while preparing for a presentation on the wireless sensor network and its application. I created a prototype which demonstrates how a simple use of a smartphone and a few cheap sensors could make our Waste Management System very smart.

Student Management System — May 2019 – July 2019

https://github.com/deysarkarswarup/Student_Management_System

This was a semester break project under the guidance of our HOD sir. Using Java Swing and JDBC I developed a portal where students and faculty members can register and faculties can share internal marks of the students.

ATM Pin Verification System — June 2019 – June 2019

https://github.com/deysarkarswarup/ATM_Pin_Verification

This project was done at the end of our IoT training by Kernel Sphere Pvt. Ltd. Here 8x2 LCD display and 4x4 Keypad were connected over an Arduino. I wrote an Arduino program that verifies if a user entered the correct Pin. There are only 3 attempts after which will have to wait for 10mins to re-enter the password.

Virtual Classroom — Jan 2017 – July 2017

<https://github.com/deysarkarswarup/E-Classroom>

This was a final year graduation project. We designed a web portal where students and faculties can register and chat to clear their doubts. There are also eLibrary facilities where students and faculties can access ebooks 24*7. Using the eNotice feature students could also stay updated to all latest college notices.

PUBLICATIONS

"How does Chess Influenced Marks in Mathematics?"

PRAKORSHO' 2015, an annual magazine by St. Xavier's College, Kolkata (Statistics Department), Page: 106-113

"Touring Problem in Chess using Programming Languages"

X-CRYPTUS' 2017, an annual magazine by St. Xavier's College, Kolkata (Computer Science Department), Page: 59-62

"When nature puts us into the cage!"

MEDIUM' 2020, an online publishing platform.

<https://link.medium.com/V7kbvGxaq7>

Building Web Applications in PHP on Coursera Platform.

- University of California certified on Internet of Things (IoT) and Embedded Systems on Coursera Platform.
- NPTEL Online Certified on Introduction to Machine Learning by IIT Kharagpur.
- NPTEL Online Certified on Programming in Java by IIT Kharagpur.
- Analytics Vidhya certified on Data Science on Internshala Platform.
- Internshala online training certified on Programming in Python.
- Pragmatic Approach Towards Machine Learning Workshop by Jadavpur University.