

# SURJAYAN DUTTA

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## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
B. Tech. in Electrical Engineering	Haldia Institute of Technology	8.80	2022
Higher Secondary (PCM with Computer Science)	WBCHSE	87.6%	2017
Secondary	WBBSE	92.23%	2015

## PROFESSIONAL EXPERIENCE

- **Associate Systems Engineer** April 2023 - Present  
*IBM India Private Limited, Bangalore*
  - Working as a Software Engineer for a product development team of US Telecom and Network Giant. Main Focus is building an eBonding integration that uses API capabilities that enable a bi-directional interface between a telecommunication provider's internal systems and the external systems of the provider's signature Fortune 500 clients. Coordinate with multiple cross functional teams such as Data Migration Team, Sustainment Team, Product and engineering Team on pre/post deployments and live releases of B2B ecommerce applications.
  - Helping them to migrate data from existing Teradata on premise to Azure SQL Hyperscale and perform several ETL operations. Also helping them to perform OAT by Automate thier ecommerce applications using Python and Robot Framework.
- **Data Science Intern** July 2021- September 2021  
*National Institute for Industrial Traning, Kolkata*
  - Solved problems related to their business use-case using technologies such as Machine Learning and Data Analysis. Successfully build a Stock Market Analysis Project on Python with AI, which is approved by Indian Society of Innovative Project Research with excellent grade. Also helped them to expand their buisness and achieve profits, using business analytics.

## PROJECTS

- **Credit Card Fraud Detection Model** April 2022  
*Final Year Group Project* github.com/surjayan
  - Developed a Credit Card Fraud Detection Machine Learning model using logistic regression algorithm .In this project we dealt with a highly unbalanced data set which includes a total of 2,84,807 transactions, 492 were fraudulent and at the end surprisingly we received 93.4 percent accuracy in measure of Industry Standard.
- **Face Mask Detection System** October 2021  
*Personal Project* youtube.com/surjayan
  - Developed a Face Mask Detection System,during Covid-19 pandemic, using Deep Learning(CNN,VGG16).Used Tensorflow and OpenCV to use web camera and predicts whether the person in the frame wearing mask or not.Achieved an accuracy of 93 percent with proper use of activation function and other algorithms.

## CERTIFICATIONS

- **Deep Learning and Machine Learning Certification** April,2020  
*Deep Learning and Introduction to Machine Learning from NPTEL* github.com/certificate
- **Cloud Certification** June, 2023  
*Amazon Web Services, Microsoft Azure* github.com/certificate
- **Quality Engineering Certification** May, 2023  
*ISTQB Certified Tester Foundation Level* github.com/certificate

## TECHNICAL SKILLS

- **Programming Languages** : Python, Java
- **Technologies** : Data Engineering, Data Science, Gen AI, Cloud, Machine Learning, Deep Learning
- **Miscellaneous** : Hadoop, Spark, Scala, TensorFlow, Keras, Linux, MySQL, Tableau, Postman, Selenium

## POSITION OF RESPONSIBILITY

- **Photographer and Volunteer of 'IBM India Buzz'** April 2023  
*Successfully Covered and help to organise several major events organised by IBM India Private Limited*
- **Team Manager of 'Photography Club of HIT-Vision and Beyond'** May 2022  
*Recruited several members in core team and organised I-CARE Inter college Photography Exhibition. .*
- **Patient Data Analyst and COVID-19 Field Volunteer of 'HALDIA FIGHTS COVID'** June 2021  
*Volunteering during Pandemic. Gave services and helped almost 100+ patients.*