

# Sk Hapijul Hossen

Data Scientist / Machine Learning Engineer | 900.280.1732 | Haldia, WB 721645, India  
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## EDUCATION

### HALDIA INSTITUTE OF TECH

B.TECH IN CSE (DATA SCIENCE)

Exp. JUN 2024 | Haldia, WB

GPA: 8.9 / 10.0

### GLOBAL INSTITUTE OF SCIENCE & TECHNOLOGY

DIPLOMA IN COMPUTER SCIENCE

JUN 2017 | Haldia, WB

GPA: 9.0 / 10.0

## LINKS

GitHub:// [skhapijulhossen](#)

LinkedIn:// [skhapijulhossen](#)

## COURSEWORK

### UNDERGRADUATE

Data Structure & Algorithms

Statistics & Probability

Data Mining

Data Analysis & Visualization

Machine Learning

Artificial Intelligence

Software Engineering

## SKILLS

### TECHNICAL SKILLS

Experienced

Python • SQL/No-SQL • Git & GitHub

FastAPI • NumPy • Pandas • Seaborn

Scikit-learn • Dask • NLTK • OpenCV

XGBoost • LightGBM • CatBoost

TensorFlow • Keras • MLflow

Docker • Linux • AWS • CI-CD

Familiar

PySpark • Airflow • Hadoop • C++

PyTorch • Wandb • Microsoft Azure

### AI & ML SKILLS

Experienced

EDA • ETL / ELT • KNN • Random Forest •

Time-Series Forecasting • Naive Bayes •

KMeans • Tf-Idf • DBSCAN • Neural

Network • RNN • LSTM • CNN • GAN

• NLP • Transformers • Data Science

• Deep Learning • MLOps • Feature

Engineering • Customer Segmentation •

Image Processing • Anomaly Detection

Machine Learning • Data Engineering

## EXPERIENCE

### AIE SERVICES | AI ENGINEER (CONTRACT)

Mar 2023 - Jun 2023 | UP, INDIA

- Designed and Developed the Facial Verification System using SOTA models (FaceNet and RetinaFace), which reduced the manual overhead of marking presence for **SchoolPen.in**.

### HR VENTURES | MACHINE LEARNING ENGINEER (CONTRACT)

Oct 2021 - Feb 2023 | Dhaka, Bangladesh

- Achieved a 13 percent increase as measured by the success rate of the campaign, by segmenting customers for targeted telemarketing.
- Increased product discovery and click-through rates by implementing a recommendation engine to suggest relevant alternative products to the user
- Reduced manual overhead of driving license verification by implementing OCR service for Ride Sharing Application.

### LARSEN & TOUBRO INFOTECH | ENGINEER - CLOUD INFRA & SERVICES

Oct 2020 - Sep 2021 | Bangalore, INDIA

- Managed the TIBCO EMS servers, followed Pub-Sub, and Message Queues to maintain communication between applications.
- Performed troubleshooting, problem resolution, and change management.
- Inspecting Topics, Queues, Users, and Durables, and creating, deleting, and purging them.

## PROJECTS

### SALES FORECASTING | FREELANCE MACHINE LEARNING ENGINEER

Developing a platform to forecast sales and demand for enterprises to optimize the business operations of an Organization.

### BANK CUSTOMER SEGMENTATION | FREELANCE MACHINE LEARNING ENGINEER

Developed a predictive analytics platform that predicts whether customers will purchase the bank's term deposits (high cost) or demand deposits (low cost).

### COPY MOVE IMAGE FORGERY DETECTION | B.TECH FINAL YEAR

Developed a robust image forgery detection system for Copy Move, enhancing digital media authenticity. Utilized the capabilities of U-Net's state-of-the-art architecture.

## PUBLICATIONS

- [1] A. D. S. K. Sk Hapijul Hossen, Kuntal Mukherjee. "paddy leaf diseases detection using otsu and yen thresholding with deep convolutional neural network". , *Accepted for publication at "Internet of Things based Machine Learning in Healthcare: Technology and Applications", CRC Focus Series.(SCOPUS indexed)*.