

# Shawon Ghosh

## B.Tech. | NIT Rourkela

Final Year, Computer Science & Engg.  
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## Education

2021-2022  
B.TECH. IN CSE  
NIT ROURKELA  
CGPA : 7.14/10 (till 6th Sem)

2017-2018  
INTERMEDIATE  
Govt. Debendra College, Manikganj, Dhaka,  
Bangladesh  
GPA : 5.00/5.00

2015-2016  
HIGH SCHOOL  
Manikganj Govt. High School, Manikganj,  
Dhaka, Bangladesh  
GPA : 5.00/5.00

## Links

Github:// **Supto**  
LinkedIn:// **Supto**  
LeetCode:// **shawonghosh**

## Skills

OS  
Linux, Windows  
LANGUAGES  
C/C++, Java, Python, HTML, JavaScript, CSS  
FRAMEWORK  
ReactJs, NodeJs, NextJs, ExpressJs  
DATABASES  
MySQL, MongoDB, MicrosoftSQL, Firebase  
MACHINE LEARNING  
Tensorflow, Keras, PyTorch, Scikit-learn

## Coursework

Data Structures & Algorithm  
Database Management System  
Object Oriented Programming  
Computer Vision  
Natural Language Processing  
Machine Learning  
Data Science

## Work Experience

MAY-JUL 2024 IIT Mandi Research Intern  
**Tech Stacks: Tensorflow, PyTorch, Tkinter, PyDicom, Ultralytics, YOLOV8, DeepLabV3, CNN**

- Worked as a research intern at IIT Mandi in the VIML research group for 2 months.
- Developed **MedImagePro**, an application for DICOM operations like detection, metadata extraction, bounding box management, and report generation.
- Fixed bugs related to **incorrect detection** and bounding box placements, and enabled annotation.
- The application generates **PDF reports** and saves updated DICOM files for further research.

## Projects

- NOV 2023 **NIRCTC Railway Reservation System**
- Developed a railway reservation system with booking, cancellation, and seat availability features.
  - Designed a user-friendly GUI using **Tkinter**, enhanced by **CustomTkinter** for theming and **tkcalendar** for date selection.
  - Managed train schedules and reservations with SQLite3 for efficient data handling.
  - Implemented **OOP principles** for modular design, separating booking logic, schedule management, and user interface. *Python, Tkinter, CustomTkinter, tkcalendar, SQLite3*
- APR 2024 **Transport Company Automation**
- Developed a full-stack web app for managing vehicle fleets with real-time availability tracking and booking.
  - Created a **React.js** front-end integrated with **Google Maps API** for vehicle tracking, supported by a **Node.js** backend.
  - Utilized **MySQL** with **Sequelize ORM** for database management and deployed on **AWS EC2** for scalable hosting. *Node.js, React.js, MySQL, Sequelize, AWS EC2, Google Maps API*

## Certifications

- OCT - DEC 2022 **Data Structures and Algorithm** Coursera
- Completed this course on Data Structures and Algorithm offered by the University of California San Diego.
- DEC 2023 **Hands-On Web Development with JavaScript** Infosys
- Completed this course on Hands-On Web Development with JavaScript offered by Krishnendu Chakraborty.
- DEC 2023 **Introduction to Machine Learning** Great Learning
- Completed this course on Introduction to Machine Learning offered by Great Learning Academy.

## Extra Curricular Activities

MAR 2023 **NITRUTSAV** Coordinator  
JULY - NOV 2022 **National Service Scheme** Volunteer