

AVIJIT ROY

SOFTWARE DEVELOPER (FRESHER)

CONTACT

+9163433277

avijit7.9.12@gmail.com

Nabadwip, Nadia, West Bengal, India

www.linkedin.com/in/avijit-roy

<https://github.com/Avijit-roy>

SKILLS

- Python Programming
- Backend Development (Node.js, REST APIs – basic)
- Data Structures & Programming Fundamentals
- Data Science & Machine Learning Fundamentals
- Git & Version Control
- Problem-Solving Ability
- Quick Learner & Adaptability
- Team Collaboration
- Time Management
- Professional Communication

LANGUAGES

- Bengali (native)
- English (fluent)
- Hindi (fluent)



PROFILE

Postgraduate MCA Software Developer (Fresher) with hands-on experience in Python-based projects and backend development. Familiar with REST APIs, Git, Node.js, and OpenCV, and eager to contribute to real-world software solutions.



WORK EXPERIENCE

Training and Internship Program 2022 with feuchr-School Of Excellence Pvt. Ltd. 07. 2022 - 08. 2022

Feuchr-School Of Excellence Pvt. Ltd.

Learned to build and deploy a machine learning-based predictive model and can contribute by supporting data-driven application

Xpro Project - Cybersecurity: Security Testing of a Vulnerable API, by Employability.life & Federation University 05. 2025 - 09. 2025

Employability.life & Federation University

Performed security testing on a vulnerable REST API, identifying common vulnerabilities and analyzing mitigation strategies.



PROJECTS

cHat BoX(Mejor_project on BCA) 2023

<https://github.com/Avijit-roy/Chat-box>

Built a full-stack real-time chat application (Chat-box) with user authentication, friend discovery, and instant messaging, gaining hands-on experience in frontend and backend development, real-time communication, asynchronous data flow, and UI/UX integration.

TECH STACK

LANGUAGES:

PYTHON, JAVASCRIPT, C++

BACKEND:

NODE.JS, EXPRESS.JS

DATABASE:

NODE.JS, EXPRESS.JS

FRONTEND (BASIC):

HTML5, CSS3, REACT.JS,
BOOTSTRAP

AUTHENTICATION & APIS:

REST APIS, JWT, BCRYPT JS

TOOLS & DEVOPS:

GIT, GITHUB, POSTMAN

CORE CONCEPTS:

DATA STRUCTURES &
ALGORITHMS, OOP, MVC
ARCHITECTURE, ASYNCHRONOUS
PROGRAMMING

HOBBYS

- Exploring global cinema and streaming content
- Staying informed on global and geopolitical developments
- Cooking

Crops Disease Detection and Soil Health Monitoring

2025

<https://www.overleaf.com/6562496439ymsxfhnqsdhc#de5f61>

Developed an automated plant disease detection system using MobileNetV2 for deep feature extraction, generating 1,280-dimensional feature vectors from leaf images. Applied feature selection techniques (CFS, InfoGain) to reduce redundancy and improve model efficiency. Achieved 92% accuracy using optimized classical classifiers (SMO), ensuring scalability and computational efficiency.

MemoryMap

2025

<https://github.com/Avijit-roy/MemoryMap>

Intelligent video memory extraction system that automatically identifies and summarizes important moments from surveillance footage using motion detection, AI object recognition, and importance scoring.



EDUCATION

Master of Computer Applicatio (persuing) 2024 - 2026
Sister Nivedita University (SNU) 69.4 %
DG Block(Newtown), Action Area I

Bachelor of Computer Applications 2020 - 2023
Global College of Science and Technology (GCST) 77.4 %
NH-34, Palpara More, Bhatjangla, Krishnanagar

Higher Secondary Education 2018 - 2020
Board - WBCHSE 74 %
R.C.B. Saraswat Mandir
C976+JGR, Malanchapara, Nabadwip

Secondary Education 2017 - 2018
Board - WBBSE 65.5 %
R.C.B. Saraswat Mandir
C976+JGR, Malanchapara, Nabadwip

Declaration:

I hereby declare that the information provided above is true and correct to the best of my knowledge.