

# Souradip Nath

Undergraduate Student - Final Year

Dept. of Information Technology, Indian Institute of Engineering Science and Technology, Shibpur

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Howrah, India

## Education

Bachelor of Technology (Information Technology)

Indian Institute of Engineering Science and Technology, Shibpur (IESTS)

July 2018 – Ongoing

Howrah, West Bengal, India

CGPA(Upto 6th Semester) : 9.90 Rank in Department: 1

Higher Secondary(XII)

Uttarpara Model School (Higher Secondary)

May 2018

Hooghly, West Bengal, India

WBCHSE Board Scored 97.4% Secured 4th Rank in State Level

Secondary(X)

Uttarpara Model High School

May 2016

Hooghly, West Bengal, India

WBBSE Board Scored: 96.7% Secured 7th Rank in State Level

## Internship

Tech Analyst Intern at Deutsche Bank

Jun 2021 – Aug 2021

**Control-M Jobs Analysis for Optimizing Cloud Composer Cost:** The primary objective of the project is to optimize the cost associated with the Google Cloud Composer platform for scheduling a set of jobs which are currently being scheduled in the Control-M Platform. In this project, a method has been proposed in which for a given set of jobs the scheduling is done in such a way so that the corresponding cost for Cloud Composer gets optimized.

Summer Research Internship at IEST, Shibpur

May 2020 – July 2020

**Automated image splicing detection using deep learning:** Independent project. Proposed a technique to employ a deep convolutional residual network architecture as a backbone, followed by a fully connected classifier network to classify authentic and spliced images. It is documented in the original article "Automated image splicing detection using deep CNN-learned features and ANN-based classifier," published in Signal, Image and Video Processing Journal (2021) by the Springer publishing house

## Projects

Development of an Academic Search Engine (Third Year Mini Project)

Aug 2020 – Dec 2020

<https://mit-go.herokuapp.com/>

Group project implemented using Python. Designed an academic search engine to find recent publications of MIT (Massachusetts Institute of Technology), using key techniques like web scraping, keyword extraction, indexing, query parsing, and ranking

## Technical Skills

- C/C++, Python
- HTML, CSS, Javascript
- Bootstrap, React JS
- Node.js, Express
- Microsoft Office

## Personal Skills

### Strengths

- Strong motivational and leadership skills.
- Ability to work individually as well as in a team.
- Positive attitude.

### Languages Known

- English : Read, Write, Speak
- Bengali : Read, Write, Speak
- Hindi : Speak

## Achievements

- Year topper in University among 9 branches, 2019-2021.
- State Board topper – West Bengal Council for Higher Secondary exam, 2018 - Felicitated by honorable Chief Minister, Govt. of West Bengal.
- Received Government scholarship – Swami Vivekananda West Bengal Government Merit cum means scholarship (2018- continue).
- Received Non – Government scholarship – G.P. Birla Scholarship (2018 – continue).
- State Board topper – West Bengal Board of Secondary exam in 2016 - Felicitated by honorable Education Minister, Govt. of West Bengal.

## Extra Curricular Activities

- Managing people and events
  - Student representative in Senate Undergraduate Committee.
  - Bengali Drama Coordinator in University Dramatic Society.
  - Sponsorship head for the University Musical Society.
- Peer Tutoring and advising.