

Full Name

Indian Institute of Technology Madras (India)

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Education

| Program | Institution/Board | %/CGPA | Year |
|---|--|---------|---------|
| <i>M.Tech.</i> (Computer Science & Engg.) | Indian Institute of Technology Madras Chennai, Tamil Nadu | 7.77/10 | 20xx-xx |
| <i>B.Tech.</i> (Computer Science & Engg.) | Jalpaiguri Government Engineering College Jalpaiguri, West Bengal | 7.77/10 | 20xx-xx |
| <i>Diploma</i> (Computer Science & Tech.) | Darjeeling Polytechnic Kurseong, West Bengal | 77.77% | 20xx-xx |
| <i>Secondary School Leaving Certificate</i> | Meghalaya Board of School Education Tura, Meghalaya | 77.77% | 20xx |

Key Projects

- Project 1** Aug 20xx - April 20xx
IIT Madras
(M.Tech / Guide: Prof. XXXX)
 - Correctly **classified** the Kaggle eye image dataset into different stages of DR and also **predicted** an eye image as **abnormal or normal with 94% accuracy**.
 - Keywords: CNN, DR, Kaggle, GPU, Python, Anaconda, Keras, Confusion Matrix
- Project 2** Jan-May 20xx
Jalpaiguri Government Engineering College
(B.Tech / Guide: Mrs. XXXX)
 - Developed a **web portal** for taking online examination.
 - Keywords: LAMP stack (Linux-Apache-Mysql-PhpMyadmin), HTML, CSS, Php
- Project 2** Jan-May 20xx
Darjeeling Polytechnic
(Diploma / Guide: Asst. Prof XXXX)
 - Developed an application which detected malware in windows systems.
 - Keywords: VB, Visual Basic

Course Projects

- Project 1** Jan-May 2019
IIT Madras
(M.Tech / Faculty: Prof. XXXXXXXXX)
 - Implemented **Simulated Annealing** algorithm for TSP; finding the shortest possible route between the cities.
- Project 2** Jan-May 2019
IIT Madras
(M.Tech / Faculty: Prof. XXXXXXXXX)
 - To code a bot to play the game of Othello, and win with valid moves, implemented using algorithm **MiniMax**.
- Project 3** Jan-May 20xx
IIT Madras
(M.Tech / Faculty: Prof. XXXXXXXXX)
 - Implemented **Genetic algorithm** (GA) for finding the best candidate tour and integrated it with the provided animation platform.
- Project 4** Jan-May 20xx
IIT Madras
(M.Tech / Faculty: Dr. XXXXXXXX)
 - Designed and implemented a block cipher similar to AES.
- Project 5 (Domain - Mobile)** Jan-May 2018
IIT Madras
(M.Tech / Faculty: Prof. XXXXXXXXX)
 - Created and validated **XML data model**.
 - Used multiple **Web API's** to create a **Mash-up**.

- Used **SparQL Endpoints** to create a **Mash-up**.
- **Ontology creation** using ontology editor "**Protege**".

5. **Project 6**

Aug-Dec 2017

(M.Tech / Faculty: Prof. XXXXX)

IIT Madras

- Implemented two 5G protocols for **Beam-searching** and **Transmission scheduling** in millimeter wave communication.

Online Courses

- Jovian: [Data Structures and Algorithms in Python](#) (May 2021), [Deep Learning with PyTorch: Zero to GANs](#) (Jan 2021), [Data Analysis with Python: Zero to Pandas](#) (Oct 2020)
- MathWorks: [Machine Learning with Matlab](#) (June 2020), [Matlab Onramp](#) (May 20xx), [Deep Learning Onramp](#) (May 20xx), [Machine Learning Onramp](#) (May 20xx), [Deep Learning with Matlab](#) (May 20xx)
- Coursera: [Covid-19 Contact Tracing](#) (May 20xx)

Online Course Projects

- Classified [Food-101](#) images using ResNet-9. (20xx)
- Classified [MNIST](#) hand written digit recognition. (20xx)
- Classified [CIFAR-10](#) images using Neural Network. (20xx)
- Analysed [Covid-19](#) dataset for various parameters. (20xx)

Industrial Training

1. **Employee Appraisal System**

Dec 20xx - Jan 20xx

(B.Tech / Mentor: Mrs XXXX)

National Skill Development Corporation, Kolkata

- Developed an application which computed the salary hike of an employee based on the performance rating.

2. **Bharat Sanchar Nigam Limited (Networking)**

Oct-Nov 20xx

(Diploma / Mentor: XXXXXX)

Bharat Sanchar Nigam Limited, Jalpaiguri

- Studied the working of landline phones and its architecture, in specified stream of Switching, OFC & IT.

Course Work

1. **Key Courses**

August 20xx-April 20xx

(Core and electives)

IIT Madras

- Course: Advanced Data Structures and Algorithms, Logic and Combinatorics for Computer Science, Theory and Applications of Ontology, Digital System Testing and Testable Design, Applied Cryptography, Non-linear Optimization
- Lab: Advanced Programming Languages in C++

Technical Skills

- Programming Language: C, C++, Java, Python
- Database System: phpMyAdmin, Mysql
- Framework: LAMP stack, GPU, Wireframe (Balsamiq)
- Tools: Latex, Eclipse, Anaconda, Abode Dreamweaver, Microsoft Office
- Web Technology: HTML, XML, SPARQL, Php
- Operating System: Windows, Linux

Positions of Responsibility

- [Mentor](#) at Going Online As Leaders (GOAL) jointly initiated by Facebook India and MoTA - Govt. of India. (20xx-xx).
- [Teaching Assistant](#) for Computational Engineering course, CSE Department, IIT Madras (Jan-May, 20xx).
- [Teaching Assistant](#) at Computing Facility, CSE Department, IIT Madras (July-Nov, 20xx).
- [Teaching Assistant](#) at Library, CSE Department, IIT Madras (Jan-May, 20xx).
- [Teaching Assistant](#) for Computational Engineering course, CSE Department, IIT Madras (July-Nov, 20xx).

Workshops

- Participated in the webinar, [Foundations of Vedic Mathematics](#) conducted by SSNU, Tamil Nadu (20xx).
- Participated in the webinar on [NBA Accreditation & Role of Stakeholders in the light of National Education Policy \(2020\)](#), organized by Women's polytechnic, Tripura in association with NITTTR, Kolkata (20xx).
- Participated the [International Youth Web-Conclave on Vasudhaiva Kutumbakam](#), jointly organized by Sixth Sense Foundation, Shree Sisters, Kongunadu Arts and Science College, Sri Sarada Niketan College of Science for Women and Global International School (Nov 20xx).
- Attended the workshop on [Program for Aspiring College Teachers \(PACT\)](#), conducted by TLC, IIT Madras (20xx).

Achievements/Awards

- Successfully qualified [UGC-NET](#) (20xx), [SLET-NE Region](#) (20xx), [WB-SET](#) (20xx) and [GATE](#) (20xx).
- Secured 3rd rank out of 540 in [Virtual Product Management Experience Project](#) conducted by Quollab (20xx).
- Competed in the [Code To Japan Algorithms](#) and [Code To Japan AI](#) challenge, with overall 188/746 (20xx).
- Awarded as [Star Teaching Assistant](#) for contribution as a Teaching Assistant, by CSE Department, IIT Madras (20xx).
- Received the [Certificate of Appreciation](#) for donating blood, State Blood Transfusion Council, West Bengal (20xx).
- Secured [2nd in quiz competition](#) in Rotary Youth Festival held by Rotary Club of Tura, Meghalaya (20xx).
- Secured [1st in quiz competition](#) in Rotary Youth Festival held by Rotary Club of Tura, Meghalaya (20xx).
- Secured [Consolation Prize](#) in essay writing competition on topic *Conservation of Natural resources* held by Soil Conservation Department, Meghalaya (20xx).

Others

- Hobbies: Travelling, Cooking, Learning languages
- Languages: Bengali, Hindi, Assamese, Nepali, Garo.

Declaration

I do hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Somewhere, State (Country)

(Full Name)

Date: 18th Aug, 20xx

Note: Highlighted are link to proofs and validation (if required).