

Education

- **B.tech in CSE, 6th Semester** 2014- 2018
• *Indian Institute of Engineering Science and Technology, Shibpur*
– CGPA of **9.22** (Upto 5th Semester, 2016)
- **Class XII Board (ISC)** 2012 - 2014
• *Julien Day School, Kalyani*
– Grade : **96.5 %** (School Rank 1)
- **Class X Board (ICSE)** 2010 - 2012
• *Julien Day School, Kalyani*
– Grade : **96.6 %** (School Rank 1)

Achievements

- Represented India and secured **First** position at the **International Schools Software Competition** held at Colombo (conducted by **SEARCC**) (2012)
- Secured **First** position at the **Nationals** of ISSC conducted by **CSI** (2012)
- Secured **Second** position in **Geekathon** conducted by **GeeksForGeeks** (2016)
- Awarded DST- Inspire Scholarship for being in the **top 1 percentile** of all candidates in class XII board examination(ISC) (2014)
- Secured **Second** position in **Code-o-soccer**, a coding event of IIT KGP (2017)
- Secured **First** position in **Freshers' Challenge**, a coding event of IEST Shibpur (2014)
- Secured **Second** position in **Reverse Coding**, a coding event of Instruo(Tech Fest of IEST Shibpur) (2015)
- Secured **Second** position in **Algorithmist**, a coding event of IEM Tech Fest (2015)

Technical Skills

- **Languages :**
C , C++ , Java (proficient)
Python ,SQL (intermdiate)
HTML, CSS, LISP (familiar)
- **Tools :** Matlab , Git , \LaTeX , Protégé
- **Platforms(OS) :** Linux , Windows

Projects & Positions of responsibility

- **Project** : Merging different community detection algorithms to come up with a better, and more flexible community detection algorithm for social networks.
<https://github.com/NilanjanaLodh/CommunityDetection> (2016)
- **Project** : Ontology Based Clinical Diagnosis System- under Prof. Jaya Sil, IEST. (2015 - 16)
- **Project** : Classification of spam emails using supervised learning algorithms - Internet Society of Kolkata (2016)
- **General Secretary** of CodeIEST(official programming society) of IEST (2016 - present)
- Part of the **Institute Web development team** for Instruo, IEST's Tech Fest (2015 - 16)

Research interests

- My research interests include **algorithms** (especially graph algorithms) and **machine learning**. I am particularly interested in neural networks and other supervised learning algorithms.

Extra - curricular activities

- **Debating** - Stood **second** at **Speak out for Engineering(SOE)** conducted by IMechE at IIT KGP (2015)
- **Robotics** - Stood **third** in Escapist, Autonomous Robotics event of IEST, Shibpur. (2015)

Relevant courses

- **Completed** : Introduction to computing and C, Data Structures and algorithms, Discrete Structures, Digital Logic , Theory of computation, Design and analysis of algorithms , Programming paradigms , Computer Architecture and Organization , Operating systems, Database management systems , Multimedia systems , Advanced Graph algorithms
- **Ongoing** : Computer Networks , Data Mining , Microprocessors , Simulation and Modelling