

NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR  
MAHATMA GANDHI AVENUE, DURGAPUR- 713209



## CURRICULUM VITAE



### 1. PERSONAL DETAILS:

**1.1 Name:** Ayan Banerjee

**1.2 Date of Birth:** 15/07/1998

**1.3 Guardian's Name:** Amal Banerjee

**1.4 Branch / Specialization:** Electronics and Communication Engineering

**1.5 Registration No :** 16U10143

**1.6 OP / SC/ ST/ OBC / PWD :** OP

**1.7 Male/Female:** Male

**1.8 Present Address:** Room No – 119, Hall – 4, NIT Durgapur, Mahatma Gandhi Avenue,  
Durgapur, WB – 713 209

**1.9 Corresponding Address:** Room No – 119, Hall – 4, NIT Durgapur, Mahatma Gandhi  
Avenue, Durgapur, WB – 713 209

**1.10 E-Mail Id:** ayanbn7@gmail.com

**Cell No:** +91 8016399022

### 2. EDUCATIONAL QUALIFICATIONS :

#### 2.1 Secondary & Higher Secondary:

| Examination          | Board / Institution | Year of Passing | Marks    |                |       |
|----------------------|---------------------|-----------------|----------|----------------|-------|
|                      |                     |                 | Obtained | Out of (Total) | %     |
| 10 <sup>TH</sup> STD | WBBSE               | 2014            | 647      | 700            | 92.43 |
| 12 <sup>TH</sup> STD | WBCHSE              | 2016            | 480      | 500            | 96.00 |

## 2.2 Graduation:

| SEM  | 1    | 2    | 3    | 4    | 5    | 6    |
|------|------|------|------|------|------|------|
| SGPA | 9.44 | 9.12 | 9.27 | 9.09 | 9.59 | 8.73 |
| CGPA | 9.44 | 9.28 | 9.28 | 9.23 | 9.30 | 9.21 |

## 3. Scholastic Achievements:

- Winner, IoT hackathon conducted in the annual tech fest Aavishkar 2018 of NIT Durgapur.
- Ranked **189<sup>th</sup>** among 8251 participants in [CodeChef](#) February Long Challenge.
- Ranked **1881<sup>st</sup>** among more than 150,000 participants in [CodeChef](#) (Best Rankings, Sept, 2018).
- Ranked **13<sup>th</sup>** among more than 750,000 candidates in state in Higher Secondary Examination (10+2).
- Ranked **6020<sup>th</sup>** among more than 1.2 million candidates in JEE Main 2016, Opening rank of the branch.
- Topped from school and block in Secondary Examination.

## 4. Projects:

### *Smart Dustbin:*

Built a smart dustbin which can sense the percentage filled and report that in a designated computer. Made using Arduino, NodeMCU, Google Sheets API, Django and Plotly. This team project came first in the Aavishkar Hackathon.

### *Resume Generator:*

Generated nice LaTeX resumes from YAML configuration files (<https://github.com/ayan-b/resume-generator>).

### *Desktop Wallpaper Changer:*

A Python project to change desktop wallpaper scrapping images from various online sources (Bing, NASA, Unsplash, Desktoppr, and National Geographic Image of the day) for Windows and Linux. (<https://github.com/ayan-b/Desktop-Wallpaper-Changer>)

### *GitHub Activity Checker:*

A web app to show a GitHub user's public activities, built using GitHub API, jQuery and Ajax. Used Google's Material Design for frontend. (<https://git.io/ghact>)

### *Analog Clock Reading:*

An analog clock built using THREEjs. (<https://git.io/anclk>)

## 5. Scholarships Received:

- Awarded **NTSE** Scholarship (2012 – 2014) by NCERT, Govt. of India.
- Awarded **WBMCM** Scholarship (2016 – Present) by Govt. of West Bengal.

## 6. Internship Details:

*Google Summer of Code (May – Aug 2019) at UCSC Xena under University of California, Santa Cruz:*

- Added support more data formats for Xena Browser (<https://xenabrowser.net>) in an ETL (Extract Transform Load) pipeline.
- Data manipulation was done in Python with extensive usage of Pandas module (<https://github.com/ucscXena/xena-GDC-ETL> ).
- Used AWS to load the obtained data into a server.
- Added extensive unit testing and Continuous Integration.

*Summer Intern at IIT Bombay FOSSEE (May – Jul 2018) under Prof. Kannan Moudgalya:*

- Top 60 among more than 22,500 applicants.
- Integrated a Plagiarism Detector written in Python with Yaksh (<https://yaksh.fossee.in>).
- Worked in Django and integrated the code in a huge codebase ([https://github.com/FOSSEE/online\\_test](https://github.com/FOSSEE/online_test)).
- The feature is to be regularly used at IIT Bombay in quizzes, assignments and also in courses conducted by FOSSEE and Spoken Tutorial.

## 7. Skills:

- **Proficient In:** C, C++, Python, Git, Data Structures and Algorithms, OOP, DBMS
- **Familiar With:** Linux, Deep Learning, Web Technologies (HTML, CSS, JavaScript), LaTeX, Django, Flask

## 8. Position of Responsibility:

- **Student Mentor, Google Code In (Oct – Dec 2018):** Mentored pre-university students to get them started with Open Source contributions for the organization coala.

## 9. Extracurricular Activities:

- **National Service Scheme (2017 – Present):** Organized annual survey and medical camps in villages.
- **National Cadet Corps (2011 – 13, 2016 – 17):** Took part in parades during Sports Day, Independence Day and Republic Day.

I hereby declare that the information given above is true and correct.

DATE: 06/08/2019

SIGNATURE: