

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 TH STD	WBBSE	2014	647	700	92.43
12 TH 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 **189th** among 8251 participants in [CodeChef](#) February Long Challenge.
- Ranked **1881st** among more than 150,000 participants in [CodeChef](#) (Best Rankings, SEPT18).
- Ranked **13th** among more than 750,000 candidates in state in Higher Secondary Examination (10+2).
- Ranked **6020th** among more than 1.2 million candidates in JEE Main, 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 and Django. 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 Amazon 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>).
- Used Abstract Syntax Tree (AST) to obtain similarity between codes.
- Worked in Django and integrated the code in a huge codebase (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: 25/07/2019

SIGNATURE:

