

# Ayan Banerjee

GitHub | GitLab | LinkedIn

Email: ayanbn7@gmail.com | Mobile : +91 8016399022

Address: Room No - 342, Hall - 1, NIT Durgapur, Durgapur - 713 209

## EDUCATION

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- **National Institute of Technology Durgapur** Durgapur, WB, India  
*B.Tech in Electronics and Communication Engineering, CGPA: 9.30/10 (till 5th semester)* 2016 - 2020
- **Sargachi Ramakrishna Mission High School** Sargachi, WB, India  
*Higher Secondary, Science, 96%* 2014 - 2016
- **Sargachi Ramakrishna Mission High School** Sargachi, WB, India  
*Secondary, 92.43%* 2008 - 2014

## EXPERIENCE

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- **Indian Institute of Technology Bombay** Mumbai, India  
*Summer Intern at FOSSEE under Prof. Kannan Moudgalya* May - July, 2018
  - Top 60 among more than 22,500 applicants.
  - Integrated a plagiarism detector with Yaksh, a course taking application.
  - Used Abstract Syntax Tree to obtain similarity between codes.
  - **Django**: Worked in a huge code-base written in Django.
  - The feature is to be regularly used inside IIT Bombay and in Spoken Tutorial courses by thousands of students.

## PROJECTS

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- **GitHub Activity Checker**: A web app to show a GitHub user's public activities, built using GitHub API, jQuery and Ajax.
- **Analog Clock**: A 3D animated clock, built using THREE.js and WebGL.
- **Smart Dustbin**: Built a smart dustbin which can sense the percentage filled, built using Arduino, NodeMCU, Django, Google Sheets API; this project came first in the IoT hackathon in Aavishkar, the tech fest of NIT Durgapur; a team project.
- **Open Source Contributions**
  - Contributor at **coala**, a language independent linter and moban, a jinja2 CLI command for static text generation.
  - **Mentor, Google Code-In**(Oct - Dec, 2018): Mentored school students to contribute in open source for **coala**.

## ACHIEVEMENTS

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- Ranked **191st** among 8251 participants in CodeChef February 2018 Long Challenge.
- Ranked **1881st** among more than 150,000 participants in CodeChef (Best Ranking, Sept, '18).
- Ranked **13th** among more than 750,000 candidates in state in Higher Secondary Examination (10+2).
- **Topped** from school in Secondary Examination.
- Awarded **NTSE Scholarship** (2012-14) by NCERT.

## SKILLS

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- **Proficient In**: C, C++, Python, Data Structures and Algorithms, Version Control System (git), Object Oriented Programming
- **Familiar With**: SQL, Linux, Web Technologies (HTML, CSS, JavaScript), WebGL, Backend Technologies (Django, Flask), Machine Learning, Deep Learning, PyTorch,  $\text{\LaTeX}$