

Ayan Banerjee

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EDUCATION

- **National Institute of Technology Durgapur** Durgapur, India
B.Tech, Electronics and Communication Engg., GPA: 9.21/10 (6th sem), CS Courses: 10/10 Jul 2016 - May 2020
- **Sargachi Ramakrishna Mission High School** Sargachi, WB, India
Higher Secondary, Science, 96% 2014 - 2016

EXPERIENCE

- **UCSC Xena** May - Aug, 2019
Google Summer of Code student 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.
- **Google Code In** Oct - Dec, 2018
Mentor under coala organization
 - Mentored pre-university students to get them started with Open Source Contributions for the organization coala.
- **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 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

- **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.
- **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.

ACHIEVEMENTS & RESPONSIBILITIES

- Ranked **191st** among 8251 participants in CodeChef February 2018 Long Challenge.
- Conducted **Decathlon 2018 & Decathlon 2019**, the annual programming contest of the fest Aarohan.
- 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).

SKILLS

- **Proficient In**: C, C++, Python, Data Structures and Algorithms, Version Control System (git), Object Oriented Programming, DBMS
- **Familiar With**: Linux, Web Technologies (HTML, CSS, JavaScript), WebGL, Backend Technologies (Django, Flask), Deep Learning, PyTorch, L^AT_EX