

# Ayan Banerjee

GitHub | GitLab | LinkedIn | CodeChef

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Room No - 119, Hall - 4, NIT Durgapur, Durgapur - 713 209

## EDUCATION

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- **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%, Ranked 13th in State, Topped in District; Secondary, 92.43% 2008 - 2016*

## EXPERIENCE

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- **Google Summer of Code student at UCSC Xena** Open Source  
*Google Summer of Code student under University of California, Santa Cruz May - Aug, 2019*
  - Implemented support more data formats for Xena Browser (<https://xenabrowser.net>) in an ETL (Extract Transform Load) pipeline (GitHub).
  - Data manipulation was done in Python with extensive usage of Pandas module.
  - **Technologies:** Python, Pandas, Numpy, Git, Continuous Integration, Unit Testing, AWS
- **Google Code-In** Open Source  
*Mentor under coala organization Oct - Dec, 2018*
  - Mentored pre-university students to get them started with Open Source Contributions.
- **National Institute of Technology Durgapur** Durgapur, India  
*Student Software Developer Aug, 2018*
  - Developed a GUI written in Kivy for High Voltage Lab, NIT Durgapur
- **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 inside IIT Bombay and in Spoken Tutorial courses by thousands of students.
  - **Technologies:** Python, Django, Git, SQL, HTML, CSS, Bootstrap, Unit Testing

## PUBLICATIONS

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- Aniq Ur Rahman, Sarnava Konar, **Ayan Banerjee**, "Test-bench for Task Offloading Mechanisms: Modelling the Rewards of Non-stationary Nodes", Accepted for publication at IEEE International Conference on Advanced Networks and Telecommunications Systems (2019), Goa, India.

## PROJECTS

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- **Dustbin Management System:** Full stack web app integrated with a smart dustbin which can sense the percentage filled and transmit the data using NodeMCU. The web app is built using Django, MaterializeCSS; 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 JavaScript, jQuery, Ajax, Material Design and GitHub API.
- **3D Analog Clock:** A 3D animated clock, built using THREE.js.

## ACHIEVEMENTS & RESPONSIBILITIES

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- Ranked **191st** among 8251 participants in CodeChef February 2018 Long Challenge.
- Conducted **Decathlon 2018 & 2019**, the annual programming contest of the fest Aarohan.
- Ranked **1881st** among more than 150,000 participants in CodeChef (Best Ranking, Sept, '18).

## SKILLS

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