Ayan Banerjee

GitHub | GitLab | LinkedIn | CodeChef

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EDUCATION

- **National Institute of Technology Durgapur** — Durgapur, India
  B.Tech, Electronics and Communication Engg., GPA: 9.21/10 (7th 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

- **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

- Aniq Ur Rahman, Sarnava Konar, **Ayan Banerjee**, *"Test-bench for Task Offloading Mechanisms: Modelling the Rewards of Non-stationary Nodes"*, Published at IEEE ANTS (2019), Goa, India.

PROJECTS

- **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.

- **Chat Web App**: A full stack web app for real time chatting using sockets, built using NodeJS, Express, ReactJS, Socket.io, MongoDB.

- **GitHub Activity Checker**: A web app to show a GitHub user's public activities, built using JavaScript, jQuery, Ajax, Material Design and GitHub API.

ACHIEVEMENTS & RESPONSIBILITIES

- Ranked **191**st among 8251 participants in CodeChef February 2018 Long Challenge.
- Ranked **1881**st among more than 150,000 participants in CodeChef (Best Ranking, Sept, '18, Best Rating 2027 (5 star)).

SKILLS

- **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), Backend Technologies (Django), Deep Learning, PyTorch, ReactJS, NodeJS, Docker, LaTeX