Ayan Banerjee

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EXPERIENCE

- **Siemens Healthineers**   Bengaluru, India
  Software Developer   *Aug, 2020 - Present*
  - Software Developer at the Customer Service team.
- **Google Summer of Code student at The Virtual Brain**   Open Source
  International Neuroinformatics Coordinating Facility   *May - Aug, 2020*
  - Upgrading and Fixing TVB-Gdist library.
  - **Technologies:** C++, Cython, Git, Continuous Integration, Unit Testing
- **Google Summer of Code student at UCSC Xena**   Open Source
  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
- **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

EDUCATION

- **National Institute of Technology Durgapur**   Durgapur, India
  B.Tech, Electronics and Communication Engineering, GPA: 9.27/10   *Jul 2016 - Jun 2020*

PUBLICATIONS

- Mary J. Goldman, Brian Craft, Mim Hastie, Kristupas Repečka, Fran McDade, Akhil Kamath, **Ayan Banerjee**, Yunhai Luo, Dave Rogers, Angela N. Brooks, Jingchun Zhu & David Haussler, *"Visualizing and interpreting cancer genomics data via the Xena platform"*, May 22, 2020, Published at Nature Biotechnology.

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

- 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