

EXPERIENCE

- **Siemens Healthineers** Bengaluru, India
Software Developer Aug, 2020 - Present
 - Working as a Software Developer and Data Engineer at the Customer Service segment.
- **Google Summer of Code Developer at The Virtual Brain** Open Source
International Neuroinformatics Coordinating Facility May - Aug, 2020
 - Upgraded and fixed TVB-Gdist library, a library used to calculate distance in 3D space (GitHub).
 - **Technologies:** C++, Cython, Git, Continuous Integration, Unit Testing (Googletest)
- **Google Summer of Code Developer 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 (Pytest), 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, 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.
- **DocuDoc, a Medical Treatment Management System:** A management system and communication platform for physicians, patients, pharmacies, and diagnostic labs, built using *Django*, *MaterializeCSS*, *jQuery*.
- **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 **191st** among 8251 participants in CodeChef February 2018 Long Challenge.
- Ranked **1881st** 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