

## EXPERIENCE

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- **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

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

## PUBLICATIONS

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- 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

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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.
- **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

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- 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

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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), Backend Technologies (Django), Deep Learning, PyTorch, ReactJS, NodeJS, Docker,  $\text{\LaTeX}$