

## EXPERIENCE

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- **The D. E. Shaw Group** Bengaluru, India  
*Senior Member Technical* Nov, 2021 - Present
  - **Analyst View:** Built a different view for analysts, with custom restrictions, the ability to switch any user's view, admin view, desk view, etc. In the process, also built the base of a permission/authorization framework used throughout the code base. Used modern React like HoC, custom hooks, and compound pattern
  - **Time Tracker Tool:** Built to track time spent in both our internal dashboard and external environments
  - End-to-end development of a product/feature including requirements gathering, proposing solutions, development, presentation to the users, addressing user feedback/queries
  - Mentored an intern, responsible for end-to-end ownership of the project, starting from project proposal, requirement gathering from business, technical mentorship, to the final presentation
  - **Technologies:** React, Redux, Springboot, Elastic Search, Python
- **Siemens Healthineers** Bengaluru, India  
*Software Developer* Aug, 2020 - Oct, 2021
  - Creating data pipelines which are used by reporting services.
  - Also worked on various PoCs including OCR, Kafka, and Deep Learning.
  - **Technologies:** SAS Technologies, Python, Git, Apache Kafka, Pytorch
- **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, Pytest)
- **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
  - 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 *et al*, "Visualizing and interpreting cancer genomics data via the Xena platform", May 22, 2020, Nature Biotechnology. (*Google Scholar*)

## PROJECTS

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- **Smart Dustbin Management System:** Full stack web app integrated with a smart dustbin which can sense the percentage filled and transmit the data using NodeMCU (*Django, MaterializeCSS*).
- **DocuDoc:** A management system and communication platform for physicians, patients, pharmacies, and diagnostic labs (*Django, MaterializeCSS, jQuery*).

## SKILLS

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- **Proficient In:** JavaScript, Java, Python, ReactJS, Backend Technologies (Django, Springboot), C, C++, Data Structures and Algorithms, Version Control System (git), Object Oriented Programming, DBMS
- **Exposure:** PyTorch, NodeJS, Docker, L<sup>A</sup>T<sub>E</sub>X