

# Jaiganesh Rao

Jersey City, NJ | 551-689-6918 | [LinkedIn](#) | [GitHub](#) | [jrao1@stevens.edu](mailto:jrao1@stevens.edu)

## EDUCATION

### Stevens Institute of Technology

Master of Science in Computer Science | **GPA: 3.82**

**Hoboken, NJ**

August 2021 – Expected May 2023

- Awards: Provost's Masters Fellowship
- Coursework: Web Programming, Agile Methods for Software Dev, DBMS, Data Structures & Algorithms, Fundamentals of Computing, OOAD, Knowledge Discovery & Data Mining, Fundamentals of Cybersecurity, Project Management

### University of Mumbai

Bachelor of Science in Computer Science

**Mumbai, India**

May 2015 – June 2018

## WORK EXPERIENCE

### Systems Engineering Research Center (SERC)

Full Stack Developer

**Hoboken NJ**

July 2022 – Present

- Developed and maintained websites for multiple research projects under SERC, collaborating with managers, scientists, and researchers to gather requirements and deliver web applications
- Migrated website frameworks from PHP to React.js & Node.js, refining performance and ensuring seamless integration
- Devised multiple reusable components to decrease overall lines of code by 25%, enhancing productivity and code maintenance
- Designed complex relational data models and wrote SQL queries for database management using MySQL
- Leveraged AWS EC2 for hosting applications and AWS Cognito for authentication, authorization, and user management, ensuring secure and scalable application deployment
- Engineered user-friendly interfaces with React-Bootstrap & Chakra-UI to enhance user experience and engagement
- Serving as a Graduate Student Assistant at Stevens Institute of Technology, performing administrative tasks and working on ad-hoc projects as needed, demonstrating strong organizational skills and flexibility in a fast-paced environment

### LTI - Larsen & Toubro Infotech

Software Engineer - Cloud & Infra Services

**Navi Mumbai, India**

January 2019 – July 2021

- Collaborated in development & implementation of over 10 web applications for production, management & revenue optimization purposes, boosting productivity by 20%
- Built high-performance front-end applications using React.js, Node.js, MySQL, MongoDB & AWS, ensuring 10x faster loading speed & revamped user experience for 500+ customers
- Engaged with design team to devise innovative features & functions to improve customer-product interactions, resulting 17% increase in user engagement
- Optimized RESTful APIs to maximize application performance by 15%, creating a scalable structure for over 200+ endpoints
- Employed Git version control to monitor and facilitate development of feature branches, reducing release timelines by 20%
- Identified major bug clusters with log analyses and debugging utilities to expedite troubleshooting process resulting in downtime decreases of 45%
- Identified and prioritized project requirements and deliverables in collaboration with project managers and stakeholders

## ACADEMIC PROJECTS

### Pocket-Wallet ([GitHub](#))

- Built a pocket wallet system using React.js, Node.js, and Firebase, following agile software development methods
- Implemented features including money allocation & request and statistic visualization of money spent

### Build-A-Survey ([GitHub](#))

- Developed an online survey builder app using React.js, Node.js, Express.js, MySQL Workbench, and React-Bootstrap
- Added CRUD admin features to generate surveys with options to create MCQ, Inventory, and Likert questions
- Formulated SQL queries for database operations and data retrieval

### TULSEE ([Demo](#), [GitHub](#))

- Constructed a B2C collaboration app using Next.js, Node.js, Express.js, Firebase, Socket.io, AWS EC2, and Chakra-UI
- Implemented features such as creating personal and group projects and CRUD operations for every task
- Added group chat, end-to-end encryption, media & document upload, search, and archive project
- Integrated Google single sign-on and Zoom API, allowing group members to host meetings within application

### MediaHub ([Demo](#), [GitHub](#))

- Created Movies & TV-Shows web app using React.js, Node.js, Express.js, MongoDB, and React-Bootstrap
- Defined CRUD operations for Users & Media, also option to filter content
- Executed user authentication system using JWT, enabling and maintaining user logged-in sessions
- Introduced auto-complete search and trending media features based on overall ratings

## TECHNICAL SKILLS

Python, JavaScript, Java, C++, SQL, HTML5, CSS3, Node.js, React.js, Next.js, Express.js, Vue.js, GraphQL, Redis, MongoDB, Firebase, PostgreSQL, MySQL, GitHub, AWS, Azure, VMware, Cisco Packet Tracer