

Objective

Insightful and motivated Software Engineer driven towards intuitive Web Solutions, Desktop Applications and Identifying and Automating monotonous tasks. A Full Stack Web Developer having extensive experience in all aspects of Software Development Life Cycle and Developing end to end solutions in a deadline-driven environment with a strong Work Ethic.

Technical Skills

- MySQL
- Docker
- RUST
- Angular Js
- JavaScript, ES6
- Node Js
- Microservices, MVC
- C / C ++
- MongoDB
- Python
- GitHub
- HTML ,CSS
- Java
- JQuery
- Material UI
- Agile
- PostgreSQL
- BootStrap
- Shell Script
- Flask, Django
- Flex Layout
- PWA (Progressive Web Apps)

Position of Responsibility

- Student Assistant at CAES-Ag & Environmental Svcs Lab
- Software Developer in Quinnox Consultancy Services Limited.
- Technical and Creative Head of University of Mumbai CSI DMCE and CATT Committee from June 2017 to July 2019
- Treasurer of Indian Student Association UGA from Aug 2021
- Conducted Python and Django Hands-On Workshop under Computer Society of India.

Education

- **Master's in Computer Science**
University of Georgia, United States August 2021 to Dec 2022
- **Undergraduate in Computer Engineering**
University of Mumbai , India June 2016 to June 2019 -GPA 8.12/10
- **Diploma in Computer Engineering**
Maharashtra State Board of Technical Education, India June 2012 to May 2016 -GPA 8.3/10

Research Work

- Currently working on Web3.0 Blockchain-Based Secure Data Sharing and Query with Enhanced Access Control using React Js, IPFS and Orbit db.

Work Experience

- **Engineering Intern Intradim Inc** May 2022 - Current
 - Currently working on employing a variety of tools and technologies like Kubernetes, Docker and checking algorithms for suitability, performance, and accuracy.
- **CAES-Ag & Environmental Svcs Lab** January 2022 - May 2022
 - Worked Part-time as a Student Assistant explicitly on Database Migration from Access Database to PostgreSQL, including parsing the existing Access queries to PostgreSQL using ES6, JQuery and NodeJs and using Git to maintain the code.
- **Software Developer in Quinnox Inc** July 2019 - July 2021
 - Added value to the ABM Project by implementing Charts that analyzes Organization accounts progress in the form of graphs on Monthly, Quarterly and Yearly basis which helps in manifesting the action items for the accounts to boost their revenue using Django, Vue Js, Javascript, Chart Js and Power BI.
 - Mentored the Team on Microservices, Python, Flask and Cloud by conducting Hands-On Training.
 - Modeled and developed a dynamic solution of PDF compare which compares two pdf files from QA and Prod allowing use of threshold for illustrating desirable results based on figures to check the accuracy of server, completely eliminating need of manual checks using Scikit-Learn Numpy and Pandas Libraries of Python.
 - Contributed to the development of a framework to leverage Java Cucumber Framework and TestNG to create dynamic test cases without having the need to change the code on analyzing the business requirement and Identifying potential Revenue Opportunity
 - Created a tool that compares production and quality assurance data using settings like primary key, tolerance, precision, and absolute tolerance, and displays the analysis as numerics and graphs with a summary based on data science using Python's Numpy and Pandas libraries while adhering to agile methodology..
 - Designed and Implemented end to end Solution for Web Excel Compare for which I implemented RESTful API using Python, JavaScript, Jquery and designed deployment architecture on Cloud Platform using on Demand AWS Web Services along with Amazon S3 and Elastic Load Balancing.
 - Automation and Integration of Organization's Client Email requests for Computation to directly send requests to the software, compute results and send responses back to Clients automatically saving 74% of employees time using Flask - Python and NodeJs along with Docker Containers.
- **Software Developer Intern Addiction Bazaar** June 2018 - Aug 2018
 - Collaborated on a MVC Web based project for managing leads, Calculating commission of employees for each sold product and getting notifications about possible leads and also maintaining its history using frameworks like React Js for frontend and Django for Backend API.

Other Projects

- **Pintool** :- Designed and implemented a pintool for detecting Buffer and Stack Overflow attacks using C++.
- **Multi Factor Authentication using Face Recognition and advanced security with Triple AES encryption, steganography and IP Blacklisting** using Python, AngularJs and MySQL.
- **Unix shell using RUST** with unique commands like rmallexn (remove all except n), listDir [-I][-a][-tree][-color], rev_search (Reverse search and execute), sortbytype (Sort by type)
- **Multithreaded and multi processor applications** like Web Server, Large File Reader in C and implemented synchronization within the multithreaded applications using Linux-based synchronization mechanisms like mutex, semaphores, conditional variables, waitpid, abort.
- **Online Caste Validation Certificate** using Python-Flask, AngularJs and SQL for Smart India Hackathon conducted by Government Of India
- **Home Automation** with Alexa using Ultrasonic Sensor, Humidity Sensor and Bluetooth Module.
- **Hybrid-Identity based Encryption** Approach for Cloud Security using C#.NET and integrating XML Web services and AES for Encryption.
- **Online Grocery Store** for Pandemic using Angular Js for Frontend and Node Js for backend and Material UI and Flex Layout.
- A Website for the Pandemic Situation that solved problems of buyers as well as the local store owners which allowed them to order and sellers to deliver everyday essentials.
- **Dairy Delivery and Reconciliation** using Angular Js for Frontend and Node Js for backend and integrated with the Cashfree Payment Gateway. An Online Portal where Vendor delivers dairy products everyday and charges for the product on monthly basis. The portal Generates Bills on a Monthly basis for delivered products to individual customers. It then Generates online Payment link for the Bill and sends it to the customer's Email. It allows them to pay online which gets automatically reflected.
- **Multimedia Steganography** using Java and Applets.
- **Online Portal for Vaccine Slot Booking** using Typescript with AngularJs. During the 2nd Wave of Pandemic, it was very difficult for people to find available Vaccine slots and get vaccinated. This Web based portal monitors vaccine slots and books it for the user as soon as it finds one.

Certifications

- Completed Training on Artificial Intelligence Projects with Python-HandsOn from Udemy.
- Completed Training on Machine Learning Using Python-HandsOn from Udemy