





# AISHWARYA LONARKAR

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## EDUCATION

### Master's in Computer Science

University of Georgia

August 2021 to May 2023 - GPA 3.82/4

Athens, Georgia, USA

### Bachelors in Computer Science

University of Mumbai

June 2016 to June 2019 - GPA 8.12/10

Mumbai, India

### Diploma in Computer Engineering

Maharashtra State Board of Technical Education

June 2012 to May 2016 - GPA 8.3/10

Mumbai, India

## TECHNICAL SKILLS

**Languages:** Advanced - [ Python, C/C++, JavaScript ES6, JQuery, HTML, SQL, PostgreSQL ] , Intermediate - [ Java, RUST, CSS ]

**Frameworks:** Advanced - [ Flask, Angular Js, Typescript, Node Js ] , Intermediate - [ Spring Boot, Django, TestNG, Bootstrap ]

**Technologies:** Advanced - [ Flex Layout, Material UI, PWA, Eclipse ] , Intermediate - [ Microservices, MVC, GitHub, Shell Script ] ,  
Novice - [ AWS, Docker, Agile, CI/CD ]

## EXPERIENCE

### Intradiem Inc

May 2022 - Current

#### Engineering Intern

Alpharetta, Georgia

- Translated APIs to Java Spring Boot from .Net, C#, integrated with ActiveMQ, Employed a variety of tools and technologies such as Docker and checked database queries and algorithms for optimization and code coverage.

### CAES-Ag & Environmental Svcs Lab

January 2022 - May 2022

#### Student Assistant

Athens, Georgia

- I migrated an Access database that was more than 20 years old to PostgreSQL and built an ES6 script to automatically parse existing Access queries into PostgreSQL, saving me the work of manually converting the queries, and used Git to retain the code and queries

### Quinnox Inc

July 2019 - July 2021

#### Software Developer

Mumbai, India

- Modeled and developed a dynamic solution of PDF compare which automatically compares two pdf files from QA and Prod allowing configuration of threshold, using Scikit-Learn Numpy and Pandas Libraries of Python, completely eliminated manual comparison.
- Received an appreciation for the ABM Project, which monitors account success using graphs on a monthly, quarterly, and annual basis to assist teams plan the next steps to boost revenue. Used Django, Vue Js, Javascript, Chart Js and Power BI.
- Mentored the Team on Microservices, Python, Flask and Cloud by conducting Hands-On Training in 35 days.
- Designed and Implemented end to end Solution for Web Excel Compare fetches database records from QA, prod and compares them, using RESTful API in Python, JavaScript, JQuery, designed deployment architecture on Cloud Platform using on demand AWS Web Services along with Amazon S3 and Elastic Load Balancing after comparing Azure and AWS services.
- Implemented automated testing for different Java applications using TestNG and Cucumber frameworks.
- Automation and Integration of Client Email to directly send the computation requests to the software, compute results and send responses back to the clients automatically, saving employees time using Flask - Python and NodeJs along with Docker.

## PROJECTS

- Multithreaded and multi processor applications** such as Web Server, Large File Reader in C, implemented synchronization within multithreaded applications using Linux-based synchronization mechanisms like mutex, semaphores, conditional variables, waitpid, abort. [github.com/aishwaryalonarkar/multi\\_threaded\\_webserver](https://github.com/aishwaryalonarkar/multi_threaded_webserver)
- Designed and implemented **Pintool** for detecting Buffer, Stack Overflow attacks using C++. [github.com/aishwaryalonarkar/pintool](https://github.com/aishwaryalonarkar/pintool)
- Multi Factor Authentication as a Service with single sign On** implementing Triple AES encryption, and IP Blacklisting using Python, AngularJs and MySQL, AWS Lambda, AWS RDS.
- Online Caste Validation** using Python-Flask, AngularJs and SQL for Smart India Hackathon conducted by Government Of India.
- Unix shell using RUST** with unique commands like remove all except n, listDir -l, -a, -tree, -color, Reverse search and execute, Sort by type. [github.com/aishwaryalonarkar/Rust-Unix-Shell](https://github.com/aishwaryalonarkar/Rust-Unix-Shell)
- File System Simulator in C.** [github.com/aishwaryalonarkar/file\\_system](https://github.com/aishwaryalonarkar/file_system)
- Dairy Delivery and Reconciliation** using Angular Js for Frontend and Node Js for backend and integrated with the Cashfree Payment Gateway [github.com/aishwaryalonarkar/baniya](https://github.com/aishwaryalonarkar/baniya)

## LEADERSHIP / EXTRACURRICULAR

- 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.