

SHREENIDHI ACHARYA

585-490-5750 • sa8267@rit.edu • linkedin.com/in/shreenidhiacharya • github.com/shreenidhi11

EDUCATION

Master of Science in Computer Science

Rochester Institute of Technology, Rochester, NY

Aug 2022 - Aug 2024

3.6 / 4.0

Bachelor of Engineering in Computer Engineering

Mumbai University, Mumbai, IN

Jul 2015 - May 2019

9.13 / 10.0

TECHNICAL SKILLS

Programming Languages: Python 3.8, Linux / Unix Shell Scripting, Java 17, C/C++

Databases: MySQL, PostgreSQL, MongoDB

Web Technologies: React, Redux, Firebase, HTML, CSS, JavaScript

Application Software: Jira, Nessus, Azure, GitHub, Gerrit, Entity Relationship Diagram

Additional Skills: Object Oriented Programming, Agile development, Static code analysis, Unit testing

EXPERIENCE

Tata Consultancy Services, Mumbai, India: Systems Engineer

Jul 2021 – Jul 2022

- Created a shell script that setups the server using Jenkins. Quick setup helped a team of 7 to use this tool on a daily basis.
- Partnered with 2 team members to automate Sanity Check script in Python accelerating feature testing in server by 55%.
- Optimized a C++ billing algorithm to resolve unwanted file deletion issues, leading to a 100% enhancement in server performance at customer sites like Verizon and Nokia.
- Facilitated 3 interns in debugging and troubleshooting issues, providing technical expertise and guidance.

Tata Consultancy Services, Mumbai, India: Assistant Systems Engineer

Jun 2019 – Jul 2021

- Delivered a USB (Universal Serial Bus) backup method in Linux environment using Shell scripting, resulting in a 75% improvement in time for backup/restore.
- Created 150 Test Cases in YAML to perform functional testing in proprietary software.
- Delivered 2 Perl commands that modified few Linux files to grant necessary privileges for the authorized users.

PROJECTS

Portfolio

May 2023 - Jul 2023

Designed and deployed 4 diverse projects showcasing proficiency in both Frontend and Backend development.

- Developed a weather display application in react utilizing axios for handling API requests.
- Designed a LinkedIn clone with essential features such as login, register and post sharing, leveraging Redux and Firebase to manage user's data across 10 application components.

Movies

Jun 2023 - Jul 2023

Developed and executed a self-initiated project to seamlessly integrate movie information into the user interface.

- Showcased full-stack expertise by designing a Spring Boot MVC model with MongoDB integration, boosting customer engagement by 40% through trailer showcasing and reviews.
- Built a script to automatically commit code on Github using Linux shell scripting.

IMDB Dataset

Feb 2023 - May 2023

Proposed the Entity Relationship Diagram and constructed the relational model using 7 CSV files having 10M tuples.

- Employed SQL queries to process raw data and import to PostgreSQL database's actual normalized tables.
- Migrated to a document-oriented model reducing the number of tables to 4.

Airline Delay Analysis

Feb 2023 - May 2023

Analyzed and synthesized 50M records from 10 CSV files across 100+ airlines with a four-member team.

- Collaborated with 3 members to perform data cleaning by using SQL queries leading to 90% valid data.
- Initiated migration of the records to Azure's cloud infrastructure to achieve 0 data redundancy within the team.