

# SHREYA CHOURE

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## EDUCATION

Master of Science, Computer Science (GPA: 3.56/4.0)

Anticipated 2024

Portland State University, Oregon

Courses: Software Engineering, Fullstack Development, Database Management, Machine Learning

Bachelor of Engineering, Information Technology (GPA: 8.06/10)

2020

University of Mumbai, Mumbai, India

Courses: Data structures Analysis, Operating Systems, Internetworking Protocols

## WORK EXPERIENCE

Associate System Engineer, IBM, India

2021- 2022

- Collaborated with a team of 4 to maintain application for SAP Support on WebMethods integration platform, handling the load of 38000 transactions every day.
- Optimized daily monitoring with Linux script and java code optimization, bug resolving which reduced transaction failure rate by 60%.
- Developed and presented platform specific troubleshooting documentation and codebook used for training 10 new hires.
- Revamped software patching methodology and decreased system downtime by 20% with customized scripts which improved quality check by 25%.

Fullstack Developer Intern, Kerkar Media, India

2020-2021

- Designed and developed mobile responsive web application for Digital Marketing firm which included blogging, testimonials, forms and resulted in 30% more customer satisfaction after deploying the application.
- Built an E-commerce specific application with online selling, appointment booking, learning activities and live customer support which boosted the company profit by 15%.
- Created ad specific static templates and forms which increased user involvement by 5% resulting engagement conversion rate to 8%.
- Tested accessibility of web applications using multiple approaches that boosted application experience by 10% and helped to improve performance to 100.

## UNIVERSITY PROJECT

Book Recommendation System

- Implemented popularity-based recommendation engine which includes books with total number of ratings more than 200 and recommends books with 90% similarity.
- Boosted accuracy of recommendation engine with content evaluation, same authors, publishers and year of publication with cosine similarity which resulted in 95% accurate results.

Playstore Applications Analysis

- Performed data loading, cleaning and transformation of data and retrieved 9660 unique Google Playstore applications with number of usable reviews more than 30000.
- Optimized query performances and created 3 visualizations with 20+ query result data to comprehend software application markets.

Smart Trash Bin

- Coded a mobile application using ML API for database testing, classified 10000 datapoints into 2 categories as being either bio-degradable objects or not.
- Engineered hardware model with IoT sensors and ecofriendly material to handle the load up to 3kg weight.

## SKILLS

Programming: C++, Java, Python, SQL, Linux

Web Technologies: HTML, CSS, JavaScript, PHP, ReactJS, NodeJS

## VOULNTEERING

Judge for technical project competition

2022

Girl Student Mentor

2021

Rotaract Secretary, Treasurer, Communications Director

2018-2020