

As a passionate software engineer, I thrive in challenging work environments and consistently strive to deliver exceptional results. I have a strong command of Django, NodeJs and Docker, demonstrating proven proficiency in these technologies. Additionally, I possess extensive hands-on experience with AWS, enabling me to leverage its full potential.

**In terms of technology stack, I have experience in Django, Node.js, MongoDB, PostgreSQL, Docker, and various AWS services.**

## EMPLOYMENT

### SDE-2 [Masai School](#) September 2020 - Jan 2022, October 2022 - now

- I am responsible for maintaining the backend and AWS infrastructure of the Online Judge web application. I have implemented numerous features, including Custom Contests with problem sets and user timing, as well as User Profiling, which is utilized by companies to assess student performance in Data Structures and Algorithms during courses at Masai. Additionally, I have incorporated proctoring functionality into the application.
- I have developed a code editor synchronization feature using socket.io, which allows multiple users to collaborate on a single code editor simultaneously. This functionality was implemented for testing purposes and was utilized in an interview platform.
- To optimize costs, I leverage EC2 spot instances and implement auto scaling using custom AWS CloudWatch metrics and alarms. This ensures efficient resource allocation and cost-effectiveness for the infrastructure.
- I have successfully deployed and integrated Whisper for generating transcriptions and Chat GPT for providing feedback on student answers. Moreover, I have implemented autoscaling to optimize costs.
- In addition, I have worked on a test platform where I introduced new features such as adaptive questions. This means that a student taking a test will receive the next question based on their previous answers and the time they took to answer. I have also managed the AWS infrastructure for this platform and implemented CodePipeline for CI/CD.
- To automate various ad hoc tasks, I have created several Python and Linux shell scripts. These scripts are used for tasks such as extracting weekly data from the database and generating weekly evaluation rubrics.

### Software Engineer [Savage](#) Feb 2022 - October 2022

- I managed the AWS infrastructure and backend services for the Savage App. This involved translating product requirements into technical requirements and providing guidance to the team to meet project goals. I configured alarms and charts to monitor API failures, bug alerts, and latency issues. Additionally, I performed data analysis using Python scripting.
- During my tenure, I successfully launched several features, such as progression check-in, menstruation tracker, and personalized event customization based on the menstrual phase. A significant part of my work focused on developing and releasing Nutrition and Fitness programs for Savage. These programs are currently live and actively utilized by numerous Savage users.

### SDE Intern [Amazon](#) Jan 2020 - July 2020

- I was responsible for establishing a file scanning ECS/Fargate service from the ground up. The service was designed to be scalable using AWS auto-scaling capabilities to effectively handle high levels of traffic. I implemented CloudWatch Alarms to monitor various metrics and promptly addressed any irregularities by raising a ticket.
- Additionally, I utilized the AWS Java CDK to provision AWS resources for the service, while leveraging the Guice framework for comprehensive Java development. To interact with these resources, I employed the AWS Java SDK. Throughout the service, I set up and utilized a variety of AWS resources, including DynamoDB, SQS, CloudWatch Alarms and Metrics, ECS/Fargate, VPC Endpoints Link, CloudFormation, API Gateway, Lambda, and Step Functions.

### Software Engineer Intern [Saleshandy](#) May 2019 - July 2019

- Created a dashboard for user analytics and scoring system, with flask, which can be used by the admin panel for user analytics and making a scoring system according to email deliverability rules.
- Created Python scripts to complete various tasks like backfilling in SQL and user-data analysis from the SQL table.

## EDUCATION

### Ahmedabad, India [Institute of Technology, Nirma University](#) July 2016 - May 2020

- B.Tech. in Information Technology. CGPA: 7.3/10
- Main coursework: Data Structures, Design and Analysis of Algorithms, Object-Oriented Programming, Database Management System, Operating System, Software Engineering, Mobile Application Development.
- Technical head of Infocrats Club.

## ACHIEVEMENTS

- Qualified for the ACM-ICPC Onsite Regionals at Kolkata-Kanpur Site 2018.
- Competitive Contest Websites:- [Codeforces](#) [CodeChef](#)